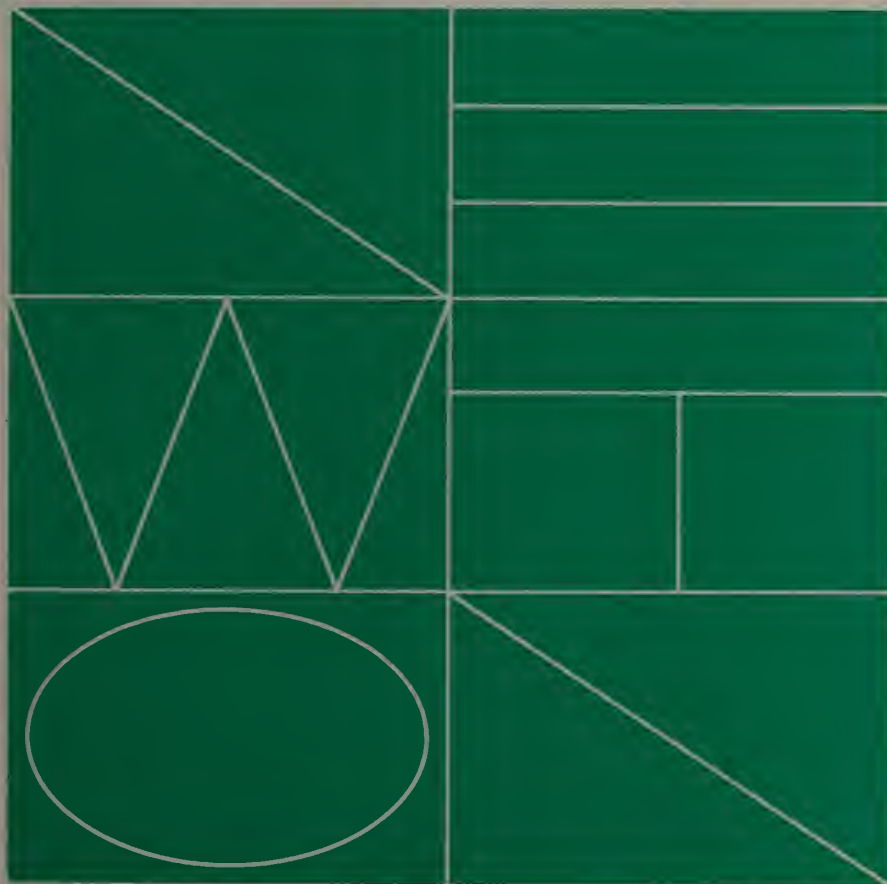


Newton College

Academic Catalog 1972-73



Newton, Massachusetts 02159

Newton College

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Introduction

Newton College is a residential liberal arts college for women located in the suburb of Newton, Massachusetts, seven miles west of Boston.

The College and the adjoining Country Day School occupy 70 acres. Newton College was established in 1946 and the Country Day School, now merged with the College, was founded in 1850. Both institutions were begun by the Society of the Sacred Heart in France in 1800. For more than 170 years, in nearly every country in the world, the Society has devoted itself to quality education for young women. Students share the advantages of belonging to an international educational organization that has schools and colleges on all the continents.

Newton offers a curriculum that combines its historical inheritance with what its faculty and administration perceive as the best innovative thinking in liberal arts education. Academic offerings are supplemented through a system of cross-registration with other colleges in the area. Other unusual supplements include a graduate program in open education, one of the first in the country; and the active presence of the Physical Science Group of the National Science Foundation which is teaching and conducting research at the college. One of Newton College's most important assets is its size. The student body numbers under 900 which means that the faculty members and the administration can give to each student a generous amount of individual attention and guidance.



Women at Newton College

Newton College may owe its existence to the fact that life at the college for students has always been immensely educational and enjoyable. For many years, the majority of applicants seem to have been attracted to the College by someone who knew the Newton community well—a student, a professor or an alumna.

As might be expected, the most notable quality of student life at Newton is a shared sense of community. In the last twenty five years the community has broadened to include women from every state and thirty foreign countries. Although the life-styles and interests of students have also proliferated, the sense of community remains as strong as it was when the College was instituted in 1946.

The College inspires loyalties—not so much to the institution itself as among students, faculty, religious and administrators. These loyalties make possible free-

doms and responsibilities which are not to be found on many other campuses.

Living Environment

The Newton College campus and adjoining Academy is situated on seventy acres in Newton, Massachusetts, a suburb of Boston. Within minutes of the college are some of the most distinguished universities, laboratories, hospitals, museums, public broadcasting agencies, galleries, repertory theatres, orchestras, and publishing houses in America. These places are stimulating and liberating, in that each woman is able to use the environment to pursue those interests and associations unique to her own personality.

Newton College has six residence halls each of which accommodates from 100 to 150 students. Women live in either single or double rooms, although a few rooms for three or four are available to upperclassmen. The cost of all rooms is the same, and students change rooms and residence halls from year to year.

Entering freshmen and members of the junior class arrive at the college several days earlier than sophomores and seniors. Each freshman is assigned a “junior sister” who establishes contact with her during the summer months and is here to welcome her. Volunteer groups of juniors, along with the faculty, acquaint freshmen with the campus, and explain the function and operation of the various academic and governing elements within the College. They also guide them through a weekend of tours, mixers, and other social events to give each woman a grasp of the cultural and recreational advantages of Boston and a sincere welcome to the community of Newton College.

Members of all four classes live in each residence hall, sharing its formal and informal lounges, kitchenette, television sets, laundry, telephones and community life. All students are permitted to have cars on

campus. Each residence hall complex has, in residence, a Director, Assistant Director and a Counselor. The Director is a young married woman whose husband is a graduate student in one of the nearby universities. These young adults serve as friends and advisors to students.

Fifteen seniors are currently participating in an experimental off-campus living program, while almost fifty others commute from their homes in the Boston area. These "off-campus" students have a lounge and kitchenette of their own and participate fully in college life.

Adding to the character of the campus are the two large and architecturally interesting estates of the Harriman and Schrafft families. The college facilities are relatively new. Its student union, classrooms, libraries, laboratories, chapel, infirmary, offices, residence halls and multi-media facilities are modern and well designed.

The Putnam Art Center, formerly the Harriman estate, and the building which served as the College Library until 1966, was rededicated in 1967 and named for Roger Lowell Putnam, a long-time benefactor and Trustee of the college. It contains studios and classrooms, the art library and slide collection, the office of the Art Department and a circular exhibit staircase. The Putnam Art Center, in recent years, has become a forum for artistic and creative work.

Barat House, formerly the country estate of the Schrafft family, is the original building of the College. The President's office, the Development office and a number of reception rooms are housed here.



Student Governance

The College expects that each student who has passed the College's entrance requirements is fully capable of accepting the responsibilities of membership in the community of Newton College. Accordingly, final responsibility for such college policies as affect student private and social life is vested in the students themselves.

The 100-member Student Senate is the recognized agency for student discussion, organization and action. It sets and enforces standards and regulations in practically all matters of student affairs, including curfews and parietal regulations. It is also the function of the Student Senate to coordinate and express student opinion; to initiate specific proposals to promote the welfare of the College; and to assist and supervise in the effective functioning of student activities, organizations and social events.

In addition, students now serve on the Board of Trustees and on all of the College's Presidential Committees, which make recommendations to the President in all matters of College policy, ranging from academic standards to finances.

As an organ of student government, the Student Academic Council serves as a communicating body among the students, dean and faculty on academic matters. The Council also sponsors cultural activities, one of which is a series that brings distinguished scholars, artists and civic leaders to the campus at intervals throughout the academic year.

Student Organizations

Several organizations are sponsored by the students to benefit the college community. In the social and cultural areas, the *Social Committee* arranges events with the numerous colleges and universities in the area, and, along with the *Interest Committee*, keeps the student



body informed of other social activities, including ski weekends, concerts, dances, exhibits, cinema and drama. Other on-campus activities include the *Glee Club*, which presents a number of single and joint concerts throughout the year, the *Drama Club* which presents two productions annually and the *Newtones*, a folk and pop singing group which performs throughout the Northeast and has issued several successful recordings.

The student organizations jointly sponsor an annual Arts Week at Newton College during which all of the arts are presented and celebrated. This event has become popular throughout the New England area. Among the recent participants in Arts Week have been Yousuf Karsh, Anthony Newman, Rolf Scharre, the German Center Boston Branch of Goethe Institute, Munich, the Dawson-Eira Jazz Ensemble, and the Elma Lewis National Center of Afro-American Artists, members of the Metropolitan Opera Company of New York, and numerous other singers, dancers, poets and artists.

The *Christian Service Committee* is responsible for volunteer service work being done by Newton students in the Greater Boston area. Teaching in Roxbury, visiting hospitals, working with the mentally retarded, and serving as aides at Children's Hospital are a few of the many opportunities made available to the Newton women interested in community service work. Students may work individually or in groups. The Christian Service Committee has always been open to experimental student-initiated projects. It promotes the spirit of Christian living on and off campus. Members prepare liturgical services and raise money to sponsor Lay Apostolate groups who spend two weeks at Easter and part of the summer vacation in deprived areas of Appalachia and the Ozarks. Students may participate in a growing variety of political organizations from the structured and long established *Young Republican* and *Democrat Clubs* to several ad hoc groups which come together for various projects. The *Athletic Association* sponsors activities such as basketball, horseback riding, volleyball, sailing, tennis, dance, fencing and golf. Recently the Newton sailing team won first place honors in Northeast sailing competition, and for the past three years has placed in the Nationals.

Many students find academic societies such as the *Psychology Club* and the *French Club* to be a means of sharing lifelong interests with others of similar mind. Newton publications such as *885*, the College's weekly newspaper, and *The Well*, the college yearbook provide a media for student creativity and expression.

The *Black Students' Organization* was formed to facilitate interaction with other Black Student Associations in the Boston area. Members hope to establish a unified voice in matters that affect black students at Newton, to contribute to the black community in greater Boston, and to establish a source of aid and information to incoming and prospective black students. The *International Club* promotes a cultural interchange among the





various nationalities present in the Greater Boston area. The students sponsor various social and cultural activities in conjunction with international clubs of the other Boston area colleges.

The Experimental College at Newton is a student-initiated student-run experiment in learning. The College responds directly to the needs of the students and provides a forum for faculty-student discussion of contemporary issues. The courses supplement the usual college curriculum. The test of Experimental College courses is relevance, and the courses are creative and personal. This organization allows anyone to give or take a course, and there are no fees, tests, grades or credits. The only requirements are initiative, and a genuine interest in learning through sharing openly with others.



Social Life

Diversity of styles, opinions, tastes and interests are both cultivated and welcomed. Most women take advantage of the varied resources and experiences of Boston. These experiences, are, in turn, balanced by academic and social opportunities of the campus. The off-campus attractions are as many and varied as are the students of Newton. Boston College, Harvard, MIT, Holy Cross, Dartmouth, Boston University, Tufts and Yale, among others, are within easy driving distance. Students also enjoy the restaurants, theatre, concerts, cinema, politics, art and sights of Greater Boston.

The college, in conjunction with the students, provides a series of on-campus activities: lectures, movies, concerts, parties, major weekend events, sherry hours with guest speakers, sports events and exhibits followed by receptions.









Medical Services

The services of the College physician and nurses are available to students at the Spellman Infirmary, a modern facility located on the campus. Twenty-four hour coverage in the infirmary is provided by registered nurses, and the College physician is on call at all times. Consultants to the College Health Services, representing all specialties, serve on the faculty of the Tufts University School of Medicine, and on the staff of St. Elizabeth's Hospital in nearby Brighton. In the event of serious illness, students are hospitalized at St. Elizabeth's.

Counseling Services

A variety of counseling services are available to students at the College. Formal academic counseling is available from the Academic Dean, Assistant Academic Deans and faculty advisors. Formal personal adjustment counseling may be arranged through the College Health Services. Psychiatric and psychological counseling services are provided by the College Mental Health Center of Boston, Inc. or by consultation with the Newton College medical staff at the College Infirmary. Many channels are available for informal personal counseling from the Dean of Students, the chaplain, the Director of Residence Life and the Residence Staff.



Admissions

Admission Standards

The applicant to Newton College should have several distinctive attributes in order to derive the full benefits of the college's liberal arts education.

Secondary school academic records should be well above average. The Admissions Committee recognizes that some women have greater intellectual potential than their academic records indicate, and willingly seeks evidence of this potential in the young woman's activities, interests, or accomplishments.

She should be capable of contributing to others in the demanding and rewarding community life of the College. Whether this potential contribution lies in artistic creativity, diversity of experience, leadership, moral strength, or depth of personality, it must find a place in a living environment which demands initiative and self-discipline to be enjoyed.

Newton students are expected to decide many issues for themselves while at the College; an applicant should, therefore, evidence the maturity necessary to assume adult responsibilities. The College actively seeks applicants from all races, nationalities, creeds, and geographical locations. In all cases where an applicant has been accepted, every attempt will be made to find sufficient financial aid to enable her to attend where her personal or family resources would not otherwise permit her to do so.

All correspondence regarding admission to Newton College should be addressed to: Director of Admissions, Newton College, Newton, Massachusetts 02159.

Application

Application forms may be obtained from the Admissions Office. A fee of \$15 must accompany the application and all applications should be submitted by February 15 of the applicant's senior year in high school.

General Requirements for Admission

To be considered for the freshman class, students should plan to complete sixteen secondary school units in college preparatory studies. These studies should include English, mathematics, social studies, physical sciences and foreign languages.

Secondary School Transcript and Recommendation

After the Admissions Office has received an application, a candidate should have her secondary school send to the Admissions Office a transcript of her grades and credits and a recommendation from the principal or guidance counselor.

Interview

A campus visit and a personal interview by an Admissions Officer are strongly recommended. If distance makes this impossible, the Director of Admissions will, upon request of the candidate, arrange for an alumna or another representative of the College to contact the applicant for a personal interview.

Visiting the Campus

Newton welcomes visitors to the College. The Admissions Office in Stuart House is open Monday through Friday from 8:30 a.m. to 4:30 p.m. and from 10:00 a.m. to 4:00 p.m. on Saturday. By prior arrangement, special appointments may be made on Sunday and holidays. Rooms are available on campus for an overnight visit if a prospective student should be interested in staying in a residence hall and attending some classes. Arrangements for rooms may be made through the Admissions Office.

College Entrance Tests

All candidates for admission are required to take either the College Entrance Examination Board Scholastic Aptitude Test or the American College Testing Program

Test and three Achievement Tests, one of which must be in English Composition. The SAT's or the ACT's should be taken no later than January of the senior year, while the Achievement Tests should be completed by March of that year. The dates on which an applicant plans to take the tests should be indicated on the application form. The candidate is responsible for requesting that her scores be forwarded to Newton College by the appropriate testing service.

The applicant may obtain the registration form and the dates of the tests from her guidance counselor or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540; or in the western United States, western Canada, Australia, Mexico, Pacific Islands, to College Entrance Examination Board, Box 1025, Berkeley, California 94701. For ACT test information, the applicant may write to American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240.

Early Decision Plan

The Early Decision Plan is an alternative to the regular admission procedure. It is available to those students who decide early that Newton College is the college which they wish to attend and who, before December 1, agree not to apply elsewhere. A candidate must file an application for admission, a statement obtained from the College that she is a candidate under the Early Decision Plan, and submit to the Admissions Office all supporting credentials by November 1.

Decisions concerning admission and financial aid will be mailed on December 1. A student accepted under the Early Decision Plan is required to make a non-refundable deposit of \$200 by January 15.



Rolling Admissions

An application should be filed by February 15 of the candidate's senior year. Beginning February 15, the Committee on Admissions sends letters of acceptance to those candidates who have completed their credentials and who have been awarded final acceptance by the Committee. A candidate must notify the Admissions Office of her decision by May 1. If she is enrolling in the College, a non-refundable deposit of \$200 must accompany her reservation slip. This deposit will be credited to her account.

Advanced Placement

Advanced standing and credit is given to students who receive scores of not less than 3 in the Advanced Placement Tests of the College Entrance Examination Board after their papers have been reviewed by the appropriate department. Incoming freshmen should write to the

Office of the Academic Dean to arrange for a review before entering Newton College in September.

Foreign Students

The entrance requirements for foreign students are substantially the same as for applicants who are United States citizens. In the case of applicants attending secondary schools where English is not the primary language, the Test of English as a Foreign Language (TOEFL) is required in addition to the CEEB/ACT tests. If a student cannot obtain the registration forms and the dates of the CEEB tests at her secondary school, she should write directly to the College Entrance Examination Board or American College Testing Program. It is expected that every applicant will be responsible for making the correct visa arrangements for attending school in the United States. If visa information is needed, assistance may be obtained from the Admissions Office.

Early Admission

A limited number of exceptionally qualified students may be admitted upon completion of their junior year of high school. To be eligible for such consideration, a student should present the same sixteen secondary school units in college preparatory studies including four in English as are required of senior high school applicants. In addition, the applicant must have a strong endorsement from her high school attesting to her personal and academic maturity and readiness for college study.

Deferred Admission

Some high school students today prefer to postpone college enrollment for one year, thus "taking a year off" for work, travel, or non-college related study. The student may, however, want to complete the admission procedure during her senior year to assure herself of a place in the following year's freshman class. Newton subscribes to the policy of deferred admission for one year. A student interested in this procedure should complete her application stating her desire for deferred admission, and would be notified of the Admission Committee's decision during her senior year. She is obliged to pay a non-refundable deposit of \$100 by May 1 and to pay the remaining \$100 by January 1 of the following year.

Transfer Students

Newton College accepts freshman, sophomore, and junior transfer students in the fall and at mid-year. Their records must satisfy the entrance requirements of the College and their previous college courses and grades should substantially satisfy the Newton College general requirements.

Transfer students' applications for the Fall Semester should be received by May 1. Applications for the Spring Semester must be received by November 15.



Applicants will be considered after the following credentials have been received: complete transcript of secondary school record, official transcript of college record, and letter of clearance and recommendation from the Academic Dean or the Dean of Students of the institution previously attended. Liberal arts subjects in which the applicant has received a grade of C or better will usually be accepted for transfer credit but credits must always be reviewed with the Office of the Academic Dean. Notification of transferrable credits will be included with a letter of acceptance from the College. In order to obtain a Newton College degree, a transfer student must take 50% of her credits at Newton.

Registered Nurses

Registered nurses who transfer to Newton College from a university-affiliated nursing school are considered in the same category as other transfer students. The candidate's liberal arts courses (i.e., Anatomy, Biology, Chemistry, etc.) in which she obtained a grade of C or better will usually be accepted for credit. Nurses who have graduated from a hospital non-degree-granting nursing school may obtain credit by examination for selected liberal arts courses for which they pass examinations offered at Newton College.

Continuing Education

The Continuing Education Program at Newton College gives women whose academic careers have been interrupted the opportunity to resume study on a full-time or a part-time basis. Women of any age and from a variety of academic and professional backgrounds are welcome.

Several educational options are offered and geared to the individual needs and interests of the Continuing Education student. Some women want to start or complete course work for their Bachelor of Arts or Bachelor of Science degree; other women want to take courses in preparation for a new career, for enhancement of their professional capabilities, or simply for self-enrichment and enjoyment.

Women may audit courses, enroll in undergraduate courses for credit, or enroll in a degree program. The flexibility of the program offers the opportunity for women to pursue their education while still fulfilling family or vocational commitments. Babysitting services are available on campus.

Women who are considering a continuation of their studies may obtain further information and individual attention in formulating their plans from the Admissions Office.





Fees and Expenses

The costs to the student for a year at Newton College are explained below.

Tuition, Room and Board

TUITION:

For the 1972-73 academic year tuition will be \$1150 per semester.

ROOM AND BOARD CHARGE:

The room and board charge for the 1972-73 academic year will be \$650 per semester.

SCIENCE LABORATORY FEE:

Students enrolled in science laboratory courses will be billed \$25 per course as Science Laboratory Fee.

STUDIO ART FEES:

Studio fees, ranging from \$5 to \$25 per course, are charged for all studio courses. The fee for each course

is listed on the course schedule. These fees do not cover all expenses the student incurs, but they do cover supplies the department provides for each class.

EXTRA REGISTRATION FEE:

An additional tuition fee of \$70 is charged for each semester hour above the normal schedule. Payment of the standard tuition charge by any student enrolled for both semesters of the 1972-73 academic year entitles the student to enroll in a total of 33 hours. Students enrolled in only one semester of the 1972-73 academic year will be billed the extra registration fee for all hours above 16.

AUDIT FEE:

The fee for auditing courses is \$10 per credit hour.

TUITION FOR PART-TIME STUDENTS:

Part-time students may enroll for a maximum of eight semester hours. The tuition fee for such students will be \$70 per semester hour.

SUMMARY OF BASIC FEES:

Tuition for the academic year	\$2300
Room and board for the academic year	1300
	<hr/>
	\$3600

Other fees

APPLICATION FEE:

A fee of \$15 is charged for initial application to the College. This fee is non-refundable.

LATE REGISTRATION OR CHANGE OF SCHEDULE:

There is a \$10 charge for registering after Registration Day or for dropping or adding a course after the deadline.

LATE RESERVATION DEPOSIT:

There is a \$10 penalty charge for paying the Reservation Deposit after the deadline.

GRADUATION FEE:

Students in the graduating class will be billed a \$25 graduation fee during the second semester of their senior year.

PARKING PERMIT FOR RESIDENT STUDENTS:

\$25 per year, applicable to all resident students having automobiles on campus.

PARKING PERMIT FOR COMMUTING STUDENTS:

\$15 per year, applicable to all commuting students having automobiles on campus.

Reservation Deposit

ENTERING STUDENTS:

A candidate for admission is charged a fee of \$15 for initial application. Upon notification that she has been admitted to Newton College, the candidate must return with her acceptance a Reservation Deposit of \$200 which will be credited in full to her tuition bill for the first semester. The Reservation Deposit is non-refundable after the due date except to a student whose academic record at the end of her senior year in high school proves unsatisfactory.

CURRENTLY ENROLLED STUDENTS:

Students currently enrolled at the College who wish to reserve a place for the next academic year must submit a \$200 non-refundable Reservation Deposit by April 15. This deposit, which is credited in full to her tuition bill for the next semester, is non-refundable.

Student Health Insurance

The College's Student Health Insurance covers limited medical and hospital expenses not included in the normal services of the Newton College Health Service. As students are normally covered by family insurance plans, the Student Health Insurance provided by Newton College is designed to supplement such paid policies and is not intended to be a comprehensive policy.



Coverage is on an annual basis. A brochure describing coverage is forwarded to students and parents at the beginning of each academic year. Additional copies are available from the College Student Health Service.

ACCIDENTS

The plan provides reimbursement for all medical expenses up to \$1,000 which may result from accidents, and 75% of expenses in excess of \$1,000 up to \$1,500.

SICKNESS

In case of sickness, the policy provides reimbursement for medical treatment up to \$500, except that no benefit is payable for the first physician's visit if the student is not confined to a hospital. (The Spellman Infirmary, operated by Newton College is not a hospital.) For expenses above \$500, the policy covers 75% of incurred medical expenses up to \$2,000.

These benefits are in addition to any benefits the student may receive under a personal policy or membership in a hospital association.

Schedule of Payments

RESERVATION DEPOSIT

Early Decision Applicants	by January 15
Entering Freshmen	by May 1
Currently Enrolled Students	by April 15

FALL SEMESTER TUITION, ROOM AND BOARD

by August 15

OTHER FALL SEMESTER CHARGES

Immediately

SPRING SEMESTER TUITION, ROOM AND BOARD

by January 15

OTHER SPRING SEMESTER CHARGES

Immediately

The College reserves the right to withhold academic credit, grades, transcripts, and services to students failing to satisfy financial obligations to the College.

Note: The College reserves the right to change fees at any time.

Plans of Payment

Many Newton College families have, in recent years, elected to meet college expenses from current income through tuition payment plans which are available. Three such plans are endorsed by Newton College and further information may be obtained by writing directly to the addresses listed below.

a) College Aid Plan, Inc.

1008 Elm Street
Manchester, New Hampshire 03101

b) Education Funds, Inc.

E.F.I. Fund Management Corp.
36 S. Wabash Avenue
Chicago, Illinois 60603

c) The National Shawmut Bank

Tuition Aid Program
542 Commonwealth Avenue
Boston, Massachusetts 02215

Refund Policy

The tuition fee is not refundable. The room and board fee may be returned on a pro-rata basis.



Financial Aid

The program for financial aid offered by Newton College is intended to provide educational opportunities for qualified students who could not otherwise afford to pay their full college expenses. Financial aid awards vary in amount according to individual need and are renewable yearly if the recipient maintains the established standards as a student and as a member of the College community. Continuing need must also be demonstrated.

APPLICATION FOR FINANCIAL AID

Each applicant for admission who desires financial aid must complete and file the following forms prior to the dates indicated:

1. Newton College Application for Financial Aid

This form should be requested from the Admissions Office with the request for an application for admission. It must be returned to the Office of Financial Aid by November 1 for Early Decision applicants, and by January 15 for April Decision applicants.

2. Parents' Confidential Statement

This form is available in the secondary schools or may be obtained by writing to the College Scholarship Service, Box 176, Princeton, New Jersey 08540 (Eastern Division); Box 881, Evanston, Illinois 60204 (Middle States Division); or Box 1025, Berkeley, California 94701 (West and Southwest Division). This statement should be filed with the College Scholarship Service by October 1 for Early Decision applicants, and by December 15 for April Decision applicants. The Service will then forward a copy for confidential use to the college or colleges indicated on the form. In every case, financial need is determined by this statement.

SCHOLARSHIPS

The following forms of scholarship assistance are offered by Newton College.

1. Scholarships for Early Decision Applicants

Scholarships are awarded each year to exceptionally well-qualified *Early Decision* applicants who have demonstrated financial need. Application for such aid must be filed with Newton College by November 1 of the applicant's senior year in high school. The *Parent's Confidential Statement* must be filed with the College Scholarship Service by October 1. This scholarship award must be accepted or refused by January 15.

2. Scholarships for Rolling Decision Applicants

Scholarships are awarded each year to exceptionally well-qualified applicants who have demonstrated financial need. Application for such aid must be filed with Newton College by January 15 of the applicant's senior year in high school. The *Parents' Confidential Statement* must be filed with the College Scholarship Service by December 15. This scholarship award must be accepted or refused by May 1.

3. Scholarships for Upperclassmen

Scholarships are awarded each year to resident and commuting upperclassmen who need financial assistance and who have demonstrated scholastic ability during their freshman year at Newton College. Application for such aid must be filed by March 15 of the student's freshman year. Prior to this date, the *Parents' Confidential Statement* form, which may be obtained from the Financial Aid Office, must be returned with the student's application for scholarship to the Financial Aid Counselor.

The aforesaid scholarships are made possible, either in whole or in part, by the following contributions:

The Newton College Alumnae Scholarship
The Sister Gertrude Bodkin Memorial Scholarship
The Barbara L. Burns Memorial Scholarship
The Mary Corbett Cavanaugh Memorial Scholarship
The Gael Coakley Memorial Scholarship
The Maureen M. Cronin Memorial Scholarship
The John R. Gilman Memorial Scholarship
The Gail Hibschan Memorial Scholarship
The Sister Eleanor S. Kenny Memorial Scholarship
The Martin Luther King Memorial Scholarships
The Cornelius C. Moore Scholarship
The Janet Stuart Guild Scholarship
The Michael E. Sweeney Scholarship

FELLOWSHIPS

In honor of Gabrielle Husson, R.S.C.J., the second President of Newton College, a grant is made annually to a member of the graduating class to help launch or sustain a project for fulfilling some contemporary human need. The student to whom the award is made must be personally involved in and committed to this project in some way.

STUDENT EMPLOYMENT

Newton College sponsors a student employment program by which students who need financial aid can receive some assistance by working for the College. Correspondence regarding this part-time work should be addressed to the Financial Aid Counselor. Applications for student employment must be made by June 1 for the following year's assignments.

LOANS

Newton College cooperates with the various states in their guaranteed loan programs and with the United Students Aid Funds, Inc. Information regarding the terms and conditions of these loans may be secured from the Financial Aid Counselor or from the higher education division of the state in which the applicant resides.

FEDERAL PROGRAMS

Newton College participates in programs of financial aid offered through the United States Office of Education. These programs are the National Defense Student Loan Program, the College Work-Study Program and the Educational Opportunity Grant Program. Detailed descriptions of these are available from the Financial Aid Counselor.



The Curriculum

The liberal arts education at Newton intends to acquaint the student with the subjects and areas which are basic to a full and knowledgeable participation in society. The curriculum has been designed to allow the student maximum freedom in the planning and practice of her education, while ensuring a solid knowledge of the major field of study. The student is responsible for arranging an academic program which integrates a number of different disciplines into a consistent whole.

Along with freedom to choose among various courses and disciplines, the student at Newton is exposed to a variety of learning situations. Instruction extends beyond traditional classroom lectures to include field work, tutorials, independent research, foreign study, cinema and cross-registration at other Boston area institutions.

Each student is primarily responsible for her own education. This implies constant effort to reflect upon and evaluate her own academic endeavors. It also involves knowing the academic policies and fulfilling requirements as stated in this catalogue and applying these to her own program.

Degrees Offered

Newton College offers the Bachelor of Arts (B.A.), Bachelor of Science (B.S.) and Master of Philosophy (in Education) (M.Ph.) degrees. In addition, graduate credit is given for advanced study in selected areas offered by the Physical Science Group for experienced teachers. The requirements for the B.S. degree are the same as those for the B.A. degree but allow a heavier specialization in the sciences.

Requirements for the Bachelor Degree

Because communication is essential to success in all areas of their education, entering students are required to satisfy the college requirement in Communications. Most students take Communications (Com 101-102), offered by the Division of Language, Literature and Communications.

Students who enter the College with Advanced Placement scores of 3 or above may consider the requirement satisfied. Two units are awarded to students with Advanced Placement scores of 4 or 5.

Transfer students must also demonstrate proficiency in Communications. If transfer students have not taken a course equivalent to Com 101-102 they may take the proficiency exam or Com 101-102.

Each student will elect a major field in which she must meet the requirements established by the Department. In all other aspects of the curriculum, the student is free to choose her own courses.

Freshman-Sophomore Program

The Freshman-Sophomore Program is designed to assist students in the transition from high school to college and to provide the individual student with a broad educational base for her more specialized study in the liberal arts.

This program includes three distinct components arranged to meet the various needs of underclassmen: the Advisory Component, the Intellectual Component and the Skills Component.

The Advisory Component aims to help each student understand the nature of a liberal education. To this end, all freshmen will participate in advisory seminars with an academic adviser. The purpose of these advisory seminars is:

1. To discuss varying views on the nature of a liberal education.
2. To help the freshmen integrate their learning experiences

as they discuss and come to understand the purpose of such an education.

3. To help the student plan her own educational program at the undergraduate level and beyond.
4. To insure that each student is strongly urged to take an appropriate number of Liberal Education courses so as to secure a broad educational base.
5. To introduce the students to the educational resources at Newton and in the Boston area.

During the first semester, the advisory seminars will meet weekly as a group. During both semesters, students will meet with the adviser individually as needed, or at least monthly.

A seminar will be composed of 10-12 students under the direction of a faculty member who will have primary responsibility for the advising. To each seminar an alternate adviser will be assigned who will occasionally attend the group meetings and be available to members of the group for consultation.

The Intellectual Component aims to insure as far as possible that the student comes to understand herself and her environment, and learns how to evaluate and appreciate, morally and aesthetically, what she is, what she encounters, and what she wishes to become. To this end, courses designated as Liberal Education courses have been devised to provide all students with a large intellectual context for their more specialized study. These courses are clearly intended to acquaint students with how scholars in each area of knowledge think and what methods they employ. The Liberal Education courses will concentrate on thinking about, rather than merely collecting, facts. These courses will be taken in the student's first and second year, but are open to upper division students. Such courses should not be chosen haphazardly, but in consultation with faculty advisers, so that not only will narrow specialization be avoided, but the student's program will form a broad and integrated whole.

The Skills Component aims to improve and develop the students' ability to think clearly and logically and to express themselves precisely, fluently, correctly and effectively in speech and in writing. To this end, a course (Com 101-102) is required for all freshmen which allows students and faculty in each section to emphasize what the group needs. Library and research skills are always to be included, and class discussion so conducted that all students may acquire skills in effective oral communication.

A section (Com 103-104) is provided for English as a second language; this is open to members of any class.

Unit System

Each candidate for the Bachelor of Arts or Bachelor of Science degree must have one hundred twenty-eight credits while maintaining a passing cumulative grade point average (2.0).

However, beginning in September, 1972, the College will introduce a new system of course weighting. In those courses directed toward freshman and in those introductory courses in the majors that apply to freshman and sophomores, courses will be defined in terms of units. *The single unit is generally equivalent to a one semester course but some courses are designated a half unit, others a double unit.* For external purposes, a unit is translated into four credits.

For freshmen and sophomores, the normal course load will be four units per semester unless the student is an honor student (B+ cumulative average), pursuing a major program requiring more than eight upper division units and two units in prerequisites, or is allowed to take additional units at the discretion of the Academic Dean. In these cases, the student may take a maximum of five units per semester.

For upperclassmen, the normal course load will be five courses totalling 16 credits per semester.

Any problems in the transition from credits to units should be brought to the Academic Dean's Office.

The Major

Each student must satisfy the requirements of a major field. The major fields of study offered at Newton College are the following:

American Studies	Liberal Studies
Art (Studio)	Modern Languages
Art History	Philosophy
Biology	Political Science
Chemistry	Pre-dental Studies
Comparative Literature	Pre-medical Studies
Economics	Psychology
English	Religion
French	Sociology
German	Spanish
History	Urban Studies

Interdisciplinary Majors

Several of the above-mentioned fields of study are interdisciplinary by nature.

American Studies affords the student the possibility of concentrating on the political, social and cultural history of the United States by selecting courses dealing with American art, government, philosophy, literature, music, economic structure and history.

Urban Studies draws upon the several social sciences and history to provide the student with a multi-disciplinary approach to the study of dynamics of urban change.

Comparative Literature integrates the knowledge of more than one literature. The major in Modern Languages allows the student to study two of the five modern languages taught at Newton College—French, German, Italian, Russian and Spanish. A major in Pre-medical or Pre-dental Studies usually involves work in biology, chemistry, physics and mathematics while leaving enough flexibility to allow the student to meet the sometimes differing requirements of several medical schools. The Liberal Studies major allows each selected student to develop her own curriculum under the guidance of one or more faculty members.

Other Programs

There are also several fields of study which do not constitute a major field of study. However, they do offer an integrated program of courses providing a full minor. The Education minor may lead to Massachusetts Teachers' Certification.

Classics	Mathematics
Drama	Music
Education	Physics
Italian	Russian

The Institute for Open Education

GRADUATE EDUCATION PROGRAM

The Graduate Program is a fifteen month program leading to a Master of Philosophy degree in Education. The Graduate Program is designed for teachers, administrators, and other educational professionals interested in education in an open setting.

The learning structure has three major components. The first summer experience focuses on the teacher as a learner. The second component is the application of learning as the teacher returns to the classroom for a supervised educational practicum.

The third, and final component, the second summer experience focuses on the learner as a teacher.

For further information on admissions or program please consult the Graduate Program brochure or contact the Graduate Program Director.

The Curriculum

ACADEMIC POLICIES

ADVANCED PLACEMENT

Students who enter Newton College with an English Advanced Placement score of 3 are exempt from Communications (Com 101-102). Two units are awarded to students with English Advanced Placement scores of 4 or 5. In other subject areas, a student will receive Advanced Placement and/or credit at the recommendation of the department subject to the approval of the Academic Dean. The maximum credit accepted for Advanced Placement is eight.

AUDITING

Full-time students may register to audit, without charge, one course with the permission of the professor. The decision to audit a course rather than to take it for credit must be made at the time of registration. A change from audit to credit or vice-versa may not be affected after the close of the registration period. Part-time students who wish to audit a course will be subject to an audit fee.

CHANGE OF SCHEDULE

Drop: A student may drop a course up to, and including, the last class meeting before the final examination and evaluation period. A notation of AW (Approved Withdrawal) will appear on the transcript of a student who has dropped a course. However, after the registration period it is necessary to secure the approval of both the faculty member teaching the course and the Office of the Academic Dean. If a student fails to notify the Registrar's Office that she has officially withdrawn from any course for which she has officially registered, a grade of No Credit (N/C) will be entered on her permanent record for this course.

Fee: There is a \$10.00 fee for dropping a course after the registration period.

Add: After the registration period, a student may not add courses to her schedule.

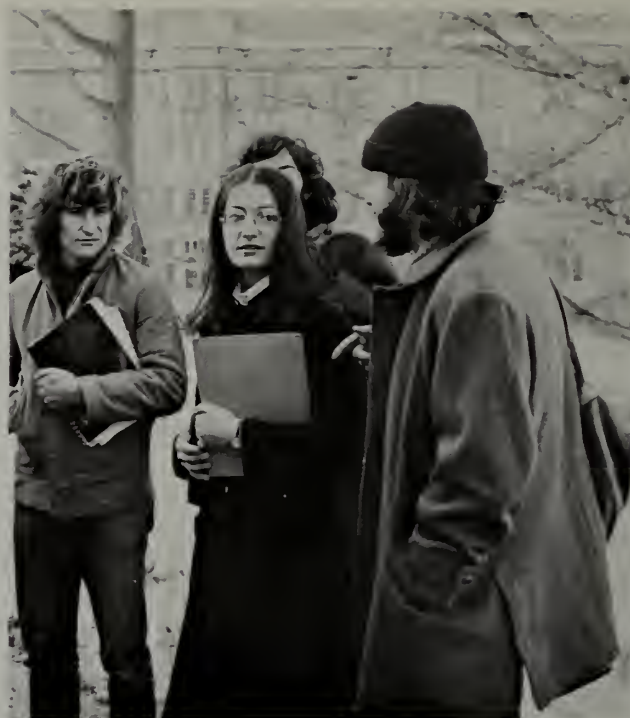
CREDIT FOR OTHER ACADEMIC WORK

For a matriculated Newton College student, thirty-two credits is the maximum to be accepted by Newton College for academic study abroad or study at another college in the United States.

Nine credits is the maximum to be accepted by Newton College for: summer study, January intercession study at other institutions and college work done prior to the freshman year. Summer study and January intercession study is allowed, and sometimes advised, with the prior approval of the department head and the Office of the Academic Dean. Courses taken in summer school and January intercession may count as upper division courses in a major field if the student receives the prior approval of the department head and the Office of the Academic Dean. Courses not in the student's major field need the approval of the Office of the Academic Dean. Credit will be transferred from any accredited college or university for a course in which the student has received a grade of C or above subject to the policy stated above. A freshman who received C or above in a college course before entering Newton, should petition the Office of the Academic Dean during the first semester of her freshman year.

CROSS-REGISTRATION

Cross-registration is arranged with colleges in the vicinity during the Fall and Spring semesters. Courses taken at other cross-registrant institutions are part of the student's Newton course load. A course offered at Newton may not be taken at one of the cross-registrant institutions. Generally, a student may take one course per semester under this plan. Credit will be transferred only with the prior approval of the Office of the Academic Dean and with the approval of the department head if the course counts as upper division in a major field.



GRADING SYSTEM

The grading system is as follows:

<i>Letter Grade</i>	<i>Grade Points</i>	<i>Quality Points</i>
A	4.0	Grade points
B+	3.5	times
B	3.0	the
C	2.0	number of
D	1.0	semester hours
No Credit	0.0	

The semester average is found by dividing the sum of the quality points by the number of semester hours taken. The cumulative average is the average of the semester grade point averages to date. The passing cumulative average and the passing semester average are both 2.0.

Once a final grade is reported to the Office of the Registrar, it cannot be changed without the approval of the Academic Dean. First semester grade change request must be in writing

by the faculty member to the Dean, giving full reasons for the requested change not later than ten days after the beginning of the second semester. Second semester grade change request must be in writing by the faculty member to the Dean, giving full reasons for the requested change not later than June 29, 1973.

HONORS

	(Computed on each semester's work taken alone)	(Computed on the cumulative average)
3.5	Dean's List	<i>Cum Laude</i> at Graduation
3.7	Honor List	<i>Magna Cum Laude</i> at Graduation
3.9	High Honors	<i>Summa Cum Laude</i> at Graduation

A portfolio of recommendations and evaluations of each student majoring in a field will be kept in the department and will be used in interpreting the student's record. A change in the grading system necessitates that the Class of 1973 will have a slightly different honor's system.

INCOMPLETE GRADES

The grade "Incomplete" can only be given with the written approval of the instructor and the Office of the Academic Dean. Such approval must be gained before the beginning of the examination period and will be given only in the cases of illness or real emergency. All take-home examinations and final papers must be given to professors on, or before, the date specified for the final examination. Approved "Incompletes" will include the date by which the work will be completed.

INDEPENDENT STUDY AND READING COURSES

Many departments of the College allow students each semester to take one course of individual study directed by a member of the faculty. Under this program an eligible student (second semester freshmen and upperclassmen) may undertake a research project or a program of reading in a particular field. The results of this work will normally be presented in a final report or examination. To be eligible for credit in such a course, a student must present to the Office of the Academic Dean during registration period a written description of the course, the number of credits desired and signature of

approval of her instructor and department head. Only after she has received the approval of the Dean's Office may she register for such a course. Normally, a student may take one such course per semester for a maximum of three credits; only under exceptional circumstances will the Dean's Office consider independent studies for additional credits.

In order for a grade to be officially registered, a *Grade and Written Evaluation* form must be received by the Registrar. Approval is not given for a reading or independent study course in a subject matter handled in a regular course.

LEAVE OF ABSENCE

A student who wishes to take a leave of absence should discuss her plans well in advance with the Office of the Academic Dean. She should submit in writing her request for leave of absence. Appropriate request forms may be obtained in the Registrar's Office. A student who desires to study at an accredited college or university while she is on leave of absence must receive the prior approval of her department head for courses which may count as upper division work in her major field and the approval of the Office of the Academic Dean. Courses not in the student's major field only need the approval of the Office of the Academic Dean. All leaves of absence must be made officially through the Offices of the Academic Dean, the Dean of Students, the Business Manager and the Registrar.

PASS/FAIL COURSES

Second semester freshmen and upperclassmen may take courses on a Pass/Fail basis up to the number of six courses for the 3½ years. This option does not apply to courses to be used for upper division credit in the major field. The decision to take a course Pass/Fail rather than for a letter grade must be made at the time of registration. A change from Pass/Fail to a letter grade or vice versa may not be affected after the close of the registration period.

READMISSION

Any student who has withdrawn from Newton College of the Sacred Heart in good standing, may be readmitted under the conditions that apply to transfer students.

REGISTRATION

Students should register on the registration dates announced in the College calendar. Permission of the Registrar must be secured for registration on dates other than those assigned.

No credit will be given for any courses for which the student is not duly registered and which is not officially scheduled.

STUDY ABROAD

Study abroad programs are an important aspect of the curriculum at Newton. Through education abroad, students are encouraged to investigate and understand foreign cultures, values and styles of living, to broaden their educational perspectives and to develop their language skills.

Emphasis is placed upon those programs designed and administered by Newton College. These have included summer programs in France in 1971 and in Spain in 1972 and a semester program at the University of Aix—Marseille in France in 1972.

A student seeking to enroll in a study abroad program must discuss her plans well in advance with the Office of the Academic Dean. She must obtain a cumulative grade point average of 3.0; and, she must receive the approval of her department chairman and faculty adviser.

Priority will be given to students who are participating in Newton College programs. There are a limited number of additional openings for language majors and other students for whom study abroad would be an integral part of their academic program.

WITHDRAWALS

A student who wishes to withdraw from the College must make application to the Academic Dean and Registrar for permission to withdraw in good standing. A student whose cumulative average is below 2.0 is on academic probation and is not considered to be in good standing. A student on disciplinary probation is also not considered to be in good standing.

Any student whose cumulative average falls below 2.0 is subject to being asked to withdraw from the College. The College may request withdrawal of any student whose behavior is not in accord with the standard required by the College. All withdrawals must be made officially through the Offices of the Academic Dean, the Dean of Students, the Business Manager and the Registrar. Appropriate request forms may be obtained in the Registrar's Office.

Accreditation

Newton College is a member of the New England Association of Colleges and Secondary Schools which accredits schools and colleges in the six New England States. Membership in

one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet the standards agreed upon by qualified educators. Newton College also is a member of the College Entrance Examination Board, the American Council on Education, the Association of American Colleges, the National Catholic Educational Association and other educational associations.

Library Division

Adjacent to the Administration and classroom building is the Kenny-Cottle Library, which, with its collection of almost 100,000 volumes, including microforms, provides the resources needed to support the curriculum. The library subscribes to over 700 periodicals; backfiles are gradually being built up with microforms. Through the Interlibrary Loan services of the libraries in the Boston area, almost all book and periodical requests can be fulfilled.

Except for the Reference area and Periodical Room all library materials are centrally located on four floors of open stacks. Study carrels and tables provide seating space for 450 library users. Many students take advantage of the facilities in the Periodical Room for listening to records and viewing slides, and upon request a wide range of audiovisual machines and software are available to both students and faculty.

In 1971 the library purchased the Microbook Library of American Civilization, a source collection of over 20,000 microfiches equivalent to 14,000 titles, covering every aspect of American civilization up to World War I.

To enable students to make effective use of library resources the Reference Department in coordination with the faculty provides small group and individual orientation and instruction focused on the actual needs of students. During 1972-73 a program integrating library skills and research methods with the Freshman Communications courses will be offered to incoming college students.

The Office of Career Counseling

The Office of Career Counseling aids students in their plans for post-graduate work and study. It provides individual assistance in writing resumes and in preparing for interviews. It invites to campus representatives from various organizations, companies and graduate schools to discuss with students opportunities in specific fields.



The Office maintains graduate school bulletins as well as resource material on careers. Students are encouraged to utilize the resources of the Office throughout their four years at Newton. The Office is the official depository for all college placement records of current students and alumnae.

The Divisional Structure

For administrative purposes, each academic department and program belongs to a larger division, wherein it shares its organizational procedures with intellectually related departments.

The undergraduate divisions include:

1. Division of Humanities & Fine Arts
2. Division of Language, Literature & Communications
3. Division of Science & Mathematics
4. Division of Social Science & Religion
5. Division of Special Programs

Course Listing Notation

In all departments courses are arranged according to the following numbering system:

100's refer to introduction to the discipline and to Liberal Education courses.

200's include prerequisites to the major beyond the introductory course and general electives for the non-major.

300's include more advanced courses in the discipline and assume an appropriate background on the part of each student. Specific prerequisites or permission of the instructor may be designated.

400's are reserved for the advanced student majors. They are usually designed to include seminars and projects designed as integrative academic experiences for the senior major.

Each course is given a three digit number. The first digit indicates the course level (100, 200, 300 or 400). The last digit indicates the semester in which the course is offered—an odd number if fall semester; and an even number if spring semester.

Frequently a course is shown with two numbers. If the two numbers are separated by a dash (AS 101-102), it means that the course continues throughout two semesters. A grade is given at the end of each semester. If the two numbers are separated by a comma (Psy 201,202), it means that the same one semester course is repeated in each of the two semesters.

Following the course title appears the number of credits or units associated with the course as 3 (credit) or 1 (unit). The term credit or unit refers to the two systems of course weighting in effect for the transition year from a credit to a unit system. For external purposes, one unit is equivalent to 4 credits; ½ unit to 2 credits.

The name of the course instructor and the class meeting times are part of the semester course schedule available from the office of the Registrar. Such information is not, therefore, included in the catalogue.

**DIVISION OF
HUMANITIES AND FINE ARTS**

The Division of Humanities and Fine Arts is comprised of the Departments of Philosophy, History and Art, and of the Programs of Music and Drama. This Division offers majors in the areas of Philosophy, History, Art History and Studio Art, and minors in all of the above areas in addition to Music and Drama.

The Division of Humanities and Fine Arts offers the following courses in Liberal Education:

LE 140-141 The Creative Process in the Visual Arts

LE 145-146 Introduction to Music

LE 151-152 Problems in World History

LE 153-154 American Civilization

LE 155-156 Philosophy of Culture

LE 157-158 Philosophy of Man

LE 159-160 History of Philosophy I and II

ART

Art has its roots in real life; any living and learning situation is a proper situation for it. A liberal arts college as an intellectual center, can provide background, stimulation, and conceivably, new directions to art, since there is no content of knowledge that is not pertinent to it. In the academic community, art has a mission to perform, counteracting the one-sidedness of the educational pattern.

The Art Department seeks to be organically related to the College while being primarily interested in developing what it considers its singular contribution: to involve the total person in humanizing man; to create freely, to comment, to criticize life, to be fully visionary and exploratory, to enrich and fulfill the entire college program by offering an intense and excellent program in visual expression and visual communication.

The department addresses itself to the student artist and to the student interested in art. It does not constitute a professional art school but it trains students to be

competent in their field and capable of pursuing it professionally.

Students concentrate either in studio art or in art history. But studio majors take courses in art history, which provide them with continuity and perspective in their own work, enriching their imagery and complementing the creative with the scholarly process, while art history majors are encouraged to take studio courses which train them visually, and allow them to participate in the experience of artists by working with their materials and so learning the possibilities and limitations of the different media.

Most art courses are given at the Putnam Art Center, where art on exhibit and art in process contribute to an environment that stimulates creativity.

ART HISTORY

REQUIREMENTS FOR MAJORS

Students majoring in the History of Art must take Art 101-102, Art 201-202; 8 upper division courses in the area of Art History including Art 401, completed with a grade of C or better and a satisfactory Senior Project. It is recommended that students acquire a sufficient language facility to be able to do serious research in German, French or Italian.

REQUIREMENTS FOR MINORS

The Art Department offers a minor in the History of Art for those students who complete a minimum of 5 courses in the department distributed as follows: two semesters of upper division Art History courses.

COURSE DESCRIPTIONS

LE 141-142 The Creative Process in the Visual Arts 1, 1 (unit)

An analysis of the creative process as evidenced in the movements of the nineteenth and twentieth centuries, from the point of view of their formal, historical, social and symbolic significance.

Art 101 History of Art 1 (unit)

Prehistoric through Medieval; survey with readings in art history

Art 102 History of Art 1 (unit)

Renaissance through Modern; survey with readings in art history.

Art 201-202 Seminar in Studio Methods ½-½ (unit)

Ancient and "Old Master" techniques. Required for Art History Majors, open to others. Pass/Fail. Attendance required.

Art 301 Prehistoric Art 3 (credit)

A study of art and culture from the Paleolithic through the Neolithic. Major emphasis on the cave sanctuaries with their problems of dating and interpretation. Seminar with workshop on problems in aesthetics and techniques related to the study of prehistoric art; major emphasis on the neolithic crafts.

Prerequisite: Art 101-102 or permission of the instructor.

Art 312 Tutorial in Pre-Columbian Art in Mexico and Central America ½ (unit)

A study of these cultures and their art.

Prerequisite: Art 101-102 or permission of the instructor.
Offered 1973-74.

Art 313 Islamic Art 1 (unit)

A study of the art and culture of Islam. Offered 1973-74.

Prerequisite: Art 101-102 or permission of the instructor.

Art 316 Greek Art 3 (credit)

A study of Greek art primarily within the context of the development of cult centers and cities. Seminar and workshop.

Art 321 Medieval Architecture 1 (unit)

The development of building types and the evolution of style from late antiquity through the High Gothic.

Prerequisite: Art 101-102 or permission of the instructor.
Offered 1973-74.

Art 322 Medieval Painting, Sculpture and Decorative Art 1 (unit)

The development of style and iconography from the early Middle Ages through the High Gothic.

Prerequisite: Art 101-102 and Art 321 or permission of the instructor. Offered 1973-74.

Art 331 Early Renaissance Painting and Sculpture 1 (unit)

Painting and Sculpture of the fourteenth and fifteenth centuries in Italy, concentrating on the artistic centers of Florence, Siena, and Venice. Offered 1973-74.

Prerequisite: Art 101-102 or permission of the instructor.

Art 332 High Renaissance Painting and Sculpture 3 (credit)

Painting and sculpture of the sixteenth century. The course will concentrate on the High Renaissance of Rome and Florence, the concept and visual characteristics of Mannerist art, and the proto-Baroque styles of northern Italy.

Prerequisite: Art 101-102 or permission of the instructor.

Art 335 Renaissance and Baroque Architecture 3 (credit)

The Renaissance, Mannerist and Baroque styles of the fifteenth through the mid-eighteenth centuries, with particular emphasis on Italy.

Prerequisite: Art 101-102 or permission of the instructor.

Art 341 Seminar in Baroque Studies 1 (unit)

Alternating *The Three Romes*, the development of Rome through classical, papal and modern periods: how the projects of one are affected by the structures of the previous; and *French, Flemish and Dutch Painting*; a study of painting of the Baroque period with emphasis on the Flemish and Dutch masters.

Prerequisite: Art 101-102 or permission of the instructor. Offered 1973-74.

Art 344 Architecture from 1750 to the Present 3 (credit)

The sources and evolution of modern architecture.

Prerequisite: Art 101-102 or permission of the instructor.

Art 355 Nineteenth Century Art 3 (credit)

Impressionism and Post-Impressionism and their origins in the nineteenth century.

Prerequisite: Art 101-102 or permission of the instructor.

Art 357 Art 1900 to 1940 3 (credit)

Discussion of major art movements of the early twentieth century with emphasis on Cubism, Fauvism, Expressionism, Dadaism and Surrealism.

Prerequisite: Art 101-102 or permission of the instructor.

Art 358 Contemporary Art 3 (credit)

Art from 1940 to the present.

Prerequisite: Art 101-102 or permission of the instructor.

Art 376 Seminar on the City of Boston 2 (credit)

Eighteenth century Boston art and architecture to present urban renewals. Lecture and field trips. Limited to 12 to 15 students. By permission only.

Art 379 American Art Prior to the Civil War 1 (unit)

Students not majoring in Art or American Studies need the permission of the instructor. Offered 1973-74.

Art 380 American Art from 1865 through the Present 1 (unit)

Students not majoring in Art or American Studies need the permission of the instructor. Offered 1973-74.

Art 381-382 Museum Seminar 1/2-1/2 (unit)

Specialized studies in various departments of local museums. Lectures and field trips organized around topics: Primitive Art (Peabody Museum); Eastern Collection (Boston Museum of Fine Arts); German Art (Busch-Reisinger). Limited to 12 to 15 students.

Prerequisite: Art 101-102 or permission of the instructor. Offered 1973-74.

Art 383-384 Philosophy of Art 1-1 (unit)

An introduction to theories of art and beauty in both eastern and western culture. An analysis of the creative act as it relates to aesthetics.

Prerequisite: Art 101-102 or permission of the instructor. Offered 1973-74.

Art 387-388 Art as Symbol 3-3 (credit)

A study of the symbol, primarily through Jung's archetypes, as it relates to art thematically, formally, etc.: the totality, the Great Mother; polarities, feminine and masculine, constancy and change; the hero; transformation. Seminar with workshop on the use of art, music, dance, theater, ritual, etc. to understand and experience the dynamics of symbols.

Prerequisite: Art 101-102 or permission of the instructor.

Art 401 Seminar in Methods and Criticism 1 (unit)

An analysis of different approaches to art (the formal, the iconographical and the political) and a discussion of the bases for historical and modern criticism. Required of art history majors; open to juniors and seniors in the department and to others who have completed at least one semester of Art History beyond the survey course. Offered alternate years, offered 1973-74.

Art 403 Seminar on Neo-Classicism 3 (credit)

A study of painting, sculpture, architecture and decorative arts from 1750-1830. The seminar will deal with problems of the revival of antiquity and historical styles; art and revolution;

and the relationship of neo-classicism to the concepts of romanticism, the sublime and the picturesque. Offered Fall 1972 only. Open to juniors and seniors in the department and to others by permission only.

**Art 497, 498 Independent Study in the History
of Art 1-3, 1-3 (credit)**

The student who wishes to take one or two semesters of Independent Study will present a detailed description of the course requirements as agreed to by the instructor giving the course and as approved by a representative of the Dean's office. The student must successfully carry through the project as outlined. If these conditions are satisfied, the Independent Study will carry academic credit. Only one Independent Study course should be carried in any one semester.

Art 499 Senior Project 3 (credit)

Required of all Art History majors.

STUDIO ART

REQUIREMENTS FOR MAJORS

Students majoring in Studio Art must take AS 101-102, Art 101-102; 8 upper division Studio courses, completed with a grade of C or better and a satisfactory Senior Project. Graduating majors should have a portfolio of their best work.

All Studio Art majors are required to present their work at the end of each semester to a Review Board of art faculty members for comments, criticism and direction.

REQUIREMENTS FOR MINORS

The Art Department offers a minor in Studio Art for those students who complete a minimum of 5 courses in Studio Art with a grade of C or better, distributed as follows: 2 semesters of Introductory Studio and 3 semester courses of which at least 2 should be upper division or 5 semesters of studio work of which at least 3 should be in the same area of art. Studio minors may participate in regular Review Boards and their complete portfolio will be reviewed by the Art faculty during their last semester at Newton. Approval of the portfolio is essential to the granting of the minor.

STUDIO FEES

Studio fees are charged for all studio courses; the fee for each course is listed on the course schedule. These fees do not cover all the expenses the students incur, but they pay for

such supplies as the department must provide for each class. Studio fees apply to all persons enrolled in studio courses.

All studio courses are subject to limited enrollment. The Introductory Studio Course (101a, 101b; 102a, 102b) consists of a series of interrelated classes designed to give the student acquaintance with various skills, techniques, media and viewpoints; this course is a prerequisite for most other courses in the department. Sections a and b of each semester must be taken simultaneously.

AS 101a Introductory Drawing ½ (unit)

Freehand drawing: a direct interpretation of visual reality, natural as well as made, employing various media; investigation of experimental techniques and approaches to drawing.

AS 101b Introductory Two-Dimensional Design ½ (unit)

Design research; a studio course to train the student to visualize and represent the illusion of form, action, rhythm, structure and space, using line, tone, texture, as well as images, employing traditional media as well as experimentation with new materials.

AS 102a Introductory Three-Dimensional Design ½ (unit)

Design research; a workshop course to train the student to visualize in space and to develop a sensitivity to form, structure and balance, using ordinary materials in the forming process, coordinating mind, eye and hand with reference to the order of nature.

AS 102b Introductory Painting ½ (unit)

Basic exploration of material and technique. Problems of observation, texture, color, landscape and composition. One semester. Pre-requisite for AS 217. Oil or acrylic.

AS 103-104 Art Fundamentals 1-1 (unit)

A seminar-workshop to introduce the student with little art background to a variety of art experiences.

AS 105 Design Fundamentals 1 (unit)

Use of weaving, macrame and related skills to teach basic design principles to those with little art background.

AS 110 Media I 1 (unit)

An introduction to the problems of time and space inherent in technological media through the use of projected images, primarily constructed and photographic slides, with sound and other extensions. A 35 mm. camera recommended, though not required.

Prerequisite: AS 101-102 or permission of the instructor.

AS 181 Color ½ (unit)

Experience with an inquiry into the construction and design of color as a force. A studio course using acrylic paint, colored papers, found and prepared objects. A final project in any medium is formed utilizing a chosen color concept.

Prerequisite: AS 101-102 or with permission of the instructor.

AS 207, 208 Figure Drawing I ½, ½ (unit)

Studies from the model. Watercolor, ink, conte, charcoal, pencil and mixed media; composition and anatomy.

Prerequisite: AS 101-102 or permission of the instructor.

AS 213 Basic Oil, Acrylic and Gouache Techniques ½ (unit)

Modeling and defining forms in an opaque medium.

Prerequisite: AS 101-102 or permission of the instructor.
Offered 1973-74.

AS 215 Watercolor ½ (unit)

Development of various techniques in watercolor painting.

AS 217-218 Developmental Painting I 1-1 (unit)

A studio course designed to allow the student to program a series of works that are relevant to the individual.

Prerequisite: AS 101-102.

AS 221 Structural Drawing 1 (unit)

Freehand rendering of objects in a classical academic technique.

Prerequisite: AS 101-102 or permission of the instructor.

AS 230-231 Sculpture I 1-1 (unit)

Beginning work in sculpture, in a variety of media: modeling in clay, plaster, carving in wood and stone, welding.

AS 245-246 Environmental Design I 1-1 (unit)

Studio workshop course to train the student to see man as center and a measure of his environment: acquisition of techniques to represent and communicate by means of projection drawing, such as orthographic, isometric and perspective drawing, as well as the use of models. An introduction to the design process as it relates to programming; requires criteria to solve specific environmental theoretical problems.

Prerequisite: AS 101-102.

AS 251-252 Ceramics—Hand Building 1-1 (unit)

Hand building techniques in clay. Coil and slab projects.

Prerequisite: AS 101-102 and permission of the instructor.

AS 253-254 Ceramics—Wheel Throwing 1-1 (unit)

Work on the potter's wheel.

Prerequisite: AS 101-102, 251-252 or permission of the instructor.

AS 255-256 Weaving I 1-1 (unit)

An introduction to weaving as a medium of contemporary art. Exploration of weaving techniques used in the creation of accessories and wall hangings. Experimentation with pattern drafts, tapestry weaves and different types of materials. With permission of the instructor.

AS 261-262 Printmaking I ½-½ (unit)

Relief and stencil printing. A course in printing from raised surfaces and stencil templates. Use of wood, masonite and plastic: inking, printing and registration methods.

Prerequisite: AS 101-102 or permission of the instructor.
Offered 1973-74.

AS 263-264 Etching 1-1 (unit)

Intaglio methods of printing with emphasis on etching. Study of the different effects produced by a variety of inks, papers, grounds, etc.

Prerequisite: AS 101-102 or permission of the instructor.

AS 271-272 Photography I 1-1 (unit)

The technique of photographic seeing, tone, texture, and lighting including developing and printing. Emphasis will be on print quality and directness of statement, as explored through weekly assignments and their critique. Offered alternate years.

Prerequisite: AS 101-102 or permission of the instructor.

AS 273-274 Filmmaking I 1-1 (unit)

An introduction to filmmaking, including an historical and technical review of the development of the motion picture. Emphasis will be on film production with super-8 equipment. Assignments in hand-drawn film, animation and sound will be included. Second semester will include sound and film editing. Offered alternate years.

Prerequisite: AS 101-102 or permission of the instructor.

AS 277-278 Color Photography 1-1 (unit)

A exploration of negative and positive color materials and their creative use. The course will include a survey of commercial color applications, dye transfer, duotone and color separation—but will be concerned primarily with the produc-

tion of consistent effective color transparencies and their uses.

Prerequisite: AS 101-102, AS 271-272, or permission of the professor.

AS 303-304 Serigraphy 3-3 (credit)

The techniques of screen construction, stencil making and multiple color printing. Utilization of technique; problems concerning the possibilities of fabric printing, fine art and commercial application.

Prerequisite: AS 101-102 and AS 181 (may be taken simultaneously).

AS 307-308 Figure Drawing II 2-2 (credit)

Work in dry brush with emphasis on the modeling of the musculature and the forms of the human body.

Prerequisite: AS 101-102, and a minimum of one semester of AS 207-208.

AS 310 Figure Painting 2 (credit)

Working from life model in oil and acrylic paints.

Prerequisite: AS 101-102 or permission of the instructor.

**AS 313-314 Tutorial in Stage Design
and Lighting 3-3 (credit)**

Given in conjunction with the Art Department; study, design and actual building of sets for the semester play (Dr 201-202), presenting theatrical ideas through scene design and lighting. Limited to 5 students, by permission only.

AS 317-318 Developmental Painting II 3-3 (credit)

A studio course designed to allow the student to program a series of works that are relevant to the individual. The intention of this study is to develop the capacity for arriving at independent solutions.

Prerequisites: AS 101-102 and AS 217-218. Oils, acrylic, watercolor or mixed media.

AS 331-332 Sculpture II 1-1 (unit)

Advanced work in one area of sculpture. Offered 1973-74.

Prerequisite: AS 231-232.

AS 334 Tutorial in Compositional Drawing 3 (credit)

Emphasis in emotional, intuitive, and imaginative approaches to drawing. Both experimentation and concentration on a personal idiom will be encouraged. Group and individual discussions. One meeting a week.

Prerequisite: at least three semesters of drawing or the submission of a portfolio.

AS 343-344 Tutorial in Advanced Design 3-3 (credit)

Workshop course as a continuation of design research, two-dimensional and three-dimensional, on a more advanced level, with special emphasis to scale development from sketch to environmental realization at larger or human scale.

Prerequisite: AS 101-102; limited to 10 students, by permission only.

AS 345-346 Environmental Design II 3-3 (credit)

A continuation of workshop course Environmental Design I, applying knowledge in the solving of problems and to introduce students to various aspects of architecture and planning as tools for forming man's physical environment.

Prerequisite: AS 245-246.

AS 347 Tutorial in Media II 3 (credit)

More advanced experimentation with sound, images and spectator interaction.

Prerequisite: experience with photography and either some electronic media or theater or dance. Limited to 8 students.

AS 351-352 Ceramics II 3-3 (credit)

Advanced work in hand building or wheel throwing.

Prerequisite: AS 251-252 or AS 253-254 and permission of the instructor.

AS 355-356 Weaving II 3-3 (credit)

Emphasis on creation of original designs in tapestry weaves, multiple harness weaves and three-dimensional weaving.

Prerequisite: Weaving I and permission of the instructor.

AS 361-362 Printmaking II 3-3 (credit)

Advanced problems in printmaking. Choice of relief or intaglio methods.

Prerequisite: AS 261-262 or AS 263-264 and permission of the instructor.

AS 370 Phototechnique 1 (unit)

An exploration of the photographic process relative to the effects of light and chemicals on photo-sensitive emulsions and basic photographic optics. One semester offered in alternate years. Offered 1973-74.

Prerequisite: Photography I.

AS 371-372 Photography II 1-1 (unit)

Creative uses of photographic techniques and processes. A

continued investigation of the medium, including the full range of camera and darkroom equipment.

Prerequisite: Photography I or permission of the instructor.
Offered 1973-74.

AS 373-374 Tutorial in Advanced Photography

3-3 (credit)

Assignments in various fields of traditional subject matter—architecture, portraiture, nature, etc.—are given, leading to the production of a portfolio and exhibition.

Prerequisite: Photography I and II.

AS 375 Vision 3 (credit)

A conceptual course to sharpen the student's ability to innovate, be open to and recognize discovery. Readings, field trips, seminar and studio work.

AS 381-382 Space Problems—Tutorial 3-3 (credit)

Space problems solved, imaginative as well as specific; exhibition, theatrical and monumental, using models and actual space where possible. Limited to two or three seniors, by permission only.

AS 385, 386 Independent Work in Studio Art 3, 3 (credit)

AS 402 Senior Semester 16 (credit)

Senior studio art majors who have a good academic record and have achieved a high degree of competence in some area of art while having an appropriate breadth of exposure may request to work independently of courses during their last semester at Newton, under the direction of members of the art faculty. Students interested in this Senior Semester must submit a written proposal regarding their plans to the chairman of the department before November 15. Proposals are reviewed together with the students' portfolios by the Art faculty, who recommend to the Dean's Office for approval.

The Senior Semester is intended only for the student who has no need of courses to continue her development. Her work is directed and reviewed by a board of art faculty; it includes the Senior Project and may fulfill part of the departmental upper division requirement. Students are graded Pass/Fail/Honors and a description of the Senior Semester and an evaluation of it is attached to the student's transcript.

Limited to one or two students, by permission only.

AS 485, 486 Advanced Independent Work in Studio Art
3, 3 (credit)

AS 499 Senior Project 3 (credit)

Required of all Studio Art majors.

Drama

A program in Drama has been designed to offer the interested student exposure to and experience with the different aspects, and different arts of the theatre. Courses are offered in dramatic history and literature and skills for performance and production. Two plays are produced and presented each year on campus. Plays and readings presented in neighboring campuses and in the Boston area further enrich those who take an interest in this form of art.

REQUIREMENTS FOR THE MINOR

The Drama Program offers a minor to those students who complete a minimum of 5 courses in the program, with a grade of C or better, distributed as follows: Dr 101-102 or 180-181 and three other courses in the program, including not more than one semester of Drama Production.

Dr 101-102 Drama Fundamentals 1-1 (unit)

Basic course in theatre skills; the first semester emphasizes voice and speech, the second incorporates acting and movement. Offered 1973-1974.

Dr 180-181 History of the Theatre 1-1 (unit)

From the Greeks to restoration, and from the eighteenth century to modern; a lecture course correlating theatrical and dramatic history, studying plays, playwrights, actors, audiences and physical theatres. Offered 1973-74.

Dr 201-202 Drama Production ½-½ (unit)

An intensive 8-week involvement (each semester) in several areas of play production, during actual rehearsal of the Fall and/or Spring shows. Students may participate in acting, stage managing, prop or makeup and, with the exception of the actors, would rotate these responsibilities during the rehearsal period. A minimum of 9 to 12 hours a week, primarily at night, would be expected in order to fulfill course requirements.

Dr 205 Greek and Roman Theatre 1 (unit)

Reading of selected plays, both tragedy and comedy; study of

play production in antiquity: theatres, stage equipment, costumes, masks, music, dance. Probable origins and development of comedy and tragedy. Offered 1973-74.

Eng 213 Introduction to Drama 1 (unit)

Several modern plays compared with plays of earlier periods in order to explore the historical and theatrical relations between them. Offered 1973-74.

Dr 300 The Current Theatre in Boston 3 (credit)

A study of selected plays currently being produced in Boston; the course will involve not only intensive study of these plays as dramatic literature, but also various aspects of their production and an analysis of critical reviews.

**Dr 301-302 Drama Production for Advanced Students
2-2 (credit)**

Given in conjunction with Dr 201,203; advanced students will be expected to participate fully in the production of the Fall and/or Spring plays and to do research and present a paper on some related aspect of the play produced. By permission only.

**Sp 304 Spanish Theatre of the Twentieth Century:
1898-1936 3 (credit)**

Intensive study of the works of Unamuno, Azorin, Lorca, Grau, Hermanos Machado, etc. with special emphasis on the elements of existentialism, social protest and dramatic experimentation.

Sp 306 Contemporary Spanish Theatre 1 (unit)

A study of the most important works of Casona, Buero, Vallejo, Sastre, Paso and others, as a reflection of some of the social problems of contemporary Spain. Offered 1973-74.

Eng 311 Shakespeare 3 (credit)

Reading of the collected plays, with class discussion of history and criticism. Required of English majors.

Eng 312 Shakespeare 3 (credit)

A continuation of Eng 311. Required of English majors.

**Dr 313-314 Tutorial in Stage Design and Lighting
3-3 (credit)**

Given in conjunction with the Art Department; study, design and actual building of sets for the semester play (Dr 201-202), presenting theatrical ideas through scene design and lighting. Limited, by permission only.

Eng 343 Modern Drama 3 (credit)

English and Continental drama from the end of the nineteenth century through the present. Extensive reading and discussion.

Eng 344 Modern American Drama 3 (credit)

American drama from the end of the nineteenth century through the present. Extensive reading and discussion.

History

The study of history deals with the question of continuity and change demonstrating its recurrence in every civilization. What counts in studying history is not the accumulation of facts (useful though it is to know them), but the acquisition of a habit of mind—objective, curious and critical. Tracing the thought, achievements and discoveries of man, the student finds his own historical period more intelligible through its likeness and contrast with periods in the past. To achieve this result she must see the study of history as a scholarly discipline which, once learned, she may herself apply to facts and situations not covered in actual course work. No undergraduate history department can explore in detail the increasingly complex background of every continent and country. At Newton, lecture and seminar courses stress major developments in European, American and Asian history.

Interdisciplinary courses, in which the History Department participates, illustrate the interaction of intellectual, economic and literary factors with political events.

Those who major in history are solidly grounded in the scholarly reading, researching and writing of history. Students planning to do graduate work are urged to enrich their historical awareness through courses in the other social sciences, as well as in languages and literature. Course presentation is varied: basic surveys, lecture-discussion and seminar classes, and independent study under faculty members on material not represented in formal courses.

The program is frequently revised to fulfill the changing needs of a more and more complex and widening society.

REQUIREMENTS FOR MAJORS

Students majoring in history must fulfill the following requirements with a grade of C or better: 12 courses and a senior project to be completed in an area of the student's choice. Students planning to attend graduate school are reminded of the advisability of choosing their courses with this in mind. This should involve an indication of some special field of interest, as well as appropriate allied courses which will aid in the further study of history.

The department recommends a seminar course in history for all of its students. All majors should submit their proposed schedule of courses to the department chairman prior to the semester registration. In addition LE 151-152 and LE 153-154 are strongly advised in the freshman or sophomore year.

REQUIREMENTS FOR MINORS

The History Department also offers a minor in history to those students who complete 5 courses with a grade of C or better.

LE 151-152 Problems in World History 1-1 (unit)

Selected episodes in world history since 1500 A.D. with emphasis on those movements which have led up to the present situation. Advised for prospective history majors or minors.

LE 153-154 American Civilization 1-1 (unit)

An interdisciplinary approach to a better understanding of the American past, as viewed from the perspectives of history, literature, philosophy and film. Prospective American Studies and History majors are strongly advised to enroll.

His 201 Survey of Western Civilization 1 (unit)

Students will examine the development of the western world from the disintegration of classical civilization through the development of modern institutions in the 15th and 16th centuries.

His 203-204 Political and Economic History of the United States 3-3 (credit)

Reading, lectures and discussion together with off-campus tours. The first semester will treat the following topics: American Revolution, Mercantilism, Era of Jefferson, American

System, Age of Jackson, Manifest Destiny, Civil War and Reconstruction. The second semester will focus on such topics as: The Gilded Age, Industrialism, Imperialism, Agrarian Revolt, Trusts, Progressive Era, Depression, World War I and II, Cold War and The Age of Affluence 1945-1965.

His 336 Medieval Institutions 3 (credit)

An examination of the origins, functions and early development of those medieval institutions which have persisted into contemporary times, e.g. the nation state, university, capitalism.

His 340 Renaissance, Reformation 3 (credit)

A study of the major intellectual, economic and political developments in European history from the rise of humanism through the Reformation. Special attention will be paid to the meaning of the Renaissance, the interaction of all facets of society and the relationship between the Renaissance and Reformation.

His 342 Early Modern Europe 1 (unit)

A topical study. Major developments in European history from the Reformation through the Enlightenment period. In addition to the overall view, each student will concentrate on one area or country of her choice. Offered 1973-74.

His 343 Revolutionary Europe 1 (unit)

This course will deal with the political, social and intellectual facets of the European revolutionary movements from 1789 to 1848. Although the French Revolution of 1789 will be studied in detail, great emphasis will also be placed on its general impact on European civilization through the Restoration period especially in Italy and Germany. Offered 1973-74.

His 344 Europe in the Age of Realpolitik 1 (unit)

The development of the effects of nationalism, socialism and industrialism on Europe from 1848 to 1914. The great unifications, the rise of Marxian socialism, the new imperialism and the impact of the shift from romanticism to realism in politics will be considered. Offered 1973-74.

His 345 Europe Between the Wars 3 (credit)

A study of the major political, intellectual and socio-economic trends in Europe from 1914 to 1939; the impact of war, the rise of the totalitarian right, the impact on Europe of Soviet Russia.

His 346 Contemporary Europe 3 (credit)

Major developments in European history since 1939 will be analyzed and discussed in their historical context; the problems occasioned by World War II, the Cold War, the decline of empire, variation in Marxist societies will be among the topics studied.

His 353 History of Modern France 1 (unit)

Study of basic problems in French history since 1848. The Second Empire, the Third economic and cultural background and the changing role of France in Europe. Offered 1973-74.

His 354 History and Literature of Victorian England 3 (credit)

How the prose literature of Victorian England reflects major social and political issues that still affect contemporary English society.

His 361 Communist Chinese History and Society 3 (credit)

An introduction to the history and society of the People's Republic of China covering the period from the rise of the Communist Party in China to the present. Topics discussed will be: the causes of the Chinese revolution, the evolution of Maoist revolutionary strategy, social and political developments under Communism, the recent "cultural revolution", current Chinese affairs, and China in the world today.

His 363 Czarist Russia 3 (credit)

A study of the major developments in Russian history from rise of the Romanovs to the revolutions of the twentieth century. Special attention will be paid to the growth of the Russian monarchy, the problems of rural Russia, Russia's relations with Western Europe and the development of the revolutionary ideology.

His 364 Twentieth Century Russian History 3 (credit)

Russian history from 1905 until the present, with special attention given to the Russian revolution, the role of the Communist Party and international relations.

His 365 Revolution in the Twentieth Century 3 (credit)

A comparative study in depth of the revolutionary experience of a small number of countries. The class as a whole will examine the Russian and Chinese revolutions, their similarities and differences. Students then will work in small groups, doing reading and research on other revolutions in the

twentieth century, the choice to be determined by the interest and background of the students.

His 366 Problems in Modern Chinese History 3 (credit)

Readings and discussion on China from 1800 to the present. Topics to be discussed are: The Ch'ing dynasty—the traditional setting; the Western impact; modernization; imperialism; revolution—1911, the first phase; the Nationalist government; China in World War II; the Chinese Communist revolution; China under Communism; China in the U.N. and the world.

His 367 Problems in Early Chinese History 3 (credit)

Analyzes some of the major trends and problem areas in Chinese history to about 1800 A.D., focusing on ideas and institutions as they relate to historic situations.

His 368 Sino-Soviet Relations 3 (credit)

A study of Sino-Soviet relations from 1920 to the present, with special attention to ideological factors, personalities and Sino-Soviet relations in the context of power politics and the "third world."

His 370 Colonial America, 1607-1763 3 (credit)

An intensive historical examination of the origins, nature, problems and relevancy of the political, economic, social and cultural systems of early America. This is a reading and discussion course with maximum student participation.

His 371 America in the Middle Period, 1800-1850 1 (unit)

A study of American political, social, economic and intellectual developments from the "Jeffersonian Revolution" of 1800 through the influences of "Jacksonian Democracy". Offered 1973-74.

His 372 The American Revolution 1763-1789 1 (unit)

An intensive examination of the causes, consequences, motives and meaning of the American Revolution. Reviewed also will be the changing historical interpretation and recent reappraisals of the Revolutionary Generation. The Confederation period will be examined in relation to the themes of change and continuity.

This is a reading and discussion course with maximum student participation. Offered 1973-74.

His 373 The Civil War and Reconstruction, 1850-1877 1 (unit)

A study of the causes, conduct and aftermath of the Civil War.

The course will consider political, economic, social, intellectual, military and diplomatic phenomena. Offered 1973-74.

His 375-376 American Foreign Policy 3-3 (credit)

An historical study of the formulation and implementation of a basic United States foreign policy from 1776 to 1900 and subsequent new departures occasioned by the many radically different challenges of the twentieth century. Emphasis will be placed on conflicting interpretations.

His 377-378 Twentieth Century America 3-3 (credit)

An historical examination of the growth of the American nation from a semirural to a highly urbanized society and the American political response to this challenge of change. Important topics include: origins, nature and significance of the Progressive Movement; the ethnic and economic orientated politics of the twenties; Depression; New Deal; rise of the new mass-production-consumption economy; the second reconstruction and welfare statism from Truman to Johnson.

Appropriate reading assignments comprise an integral part of this course.

His 379 American Constitutional Development 3 (credit)

An historical study of the origins of the American constitutional system (1607-1789); the nature of the federal union and who had the power to interpret the constitution (1789-1865) and the problems and adjustments of the constitutional system arising from the challenges of a modern, industrialized urban society (1865-Present).

His 381-382 The Black Man in American History 3-3 (credit)

Fall Semester: 1501 to 1877, from Negro slavery in the West Indies to the end of the Reconstruction period in the United States. Spring Semester: 1877 to the present time, from the beginnings of hard core segregation to the continuing struggles for full acceptance and equality.

His 383 The "West" in American History 3 (credit)

A survey of the Indian, Spanish, French and American influences on the forging of the frontier and the subsequent development of this area and these peoples in the nation's life experience.

His 401 Seminar in European History 3 (credit)

An intensive study of major topics in European history since the Renaissance. This course will include extensive bibliographical work, considerable reading and discussion and a

research paper. The topics for the course will vary from year to year. Designed specifically for senior history majors, and open to others only with permission.

His 453-454 Problems in American History 3-3 (credit)

Each student will choose a problem for investigation and read comprehensively about the problem selected. An oral presentation and an edited anthology are required. Open only to students who have taken an upper-division course in the area they have chosen to investigate.

His 495-496 Tutorial in European History 3-3 (credit)

Carefully directed readings and discussion in a field of student interest not included in regular course offerings. Enrollment limited to 2-7 students.

His 497, 498 Independent Study in History 1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the projects as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

Only one Independent Study course should be carried in any one semester.

His 499 Senior Project 3 (credit)

Required of all majors.

Music

The Music Program at Newton is designed to offer the interested student a well rounded exposure to music and performance and includes in its curriculum courses in music theory, history of music, music appreciation and choral activities. Musical activities on campus include two major concerts each year given by the Glee Club, concerts by visiting artists and lectures. The multitude of concerts and musical performances in the Boston area offer an even greater exposure and experience to those who wish to make Music a part of their liberal education.

MUSIC

REQUIREMENTS FOR THE MINOR

The Music Program offers a minor to those students who complete a minimum of 5 courses in the program, with a grade of C or better, distributed as follows: 3 courses in the history of music, 1 course in music theory and 1 year of participation in the Glee Club; or 4 courses in the history of music and 1 course in music theory.

Students wishing to receive credit for applied music may take up to 6 credits in Glee Club or selected instruments taught by faculty of the Newton Music Program. Students may transfer up to 6 credits for applied music from selected accredited institutions, with permission only.

COURSE DESCRIPTIONS

LE 145-146 Introduction to Music 1-1 (unit)

A course designed for students who wish a general knowledge in music listening. The area to be covered will be the development of European music, with emphasis on major vocal and instrumental forms and the characteristics of music and major composers from Pre-Baroque to the present. Guided listening to recordings, study of musical scores, attendance at specified concerts, collateral readings and individual projects will be included. Prerequisite: to other music history courses.

Mus 101 Fundamentals of Music 1 (unit)

Designed for the student who wishes to learn the basic rudiments of music. Notation, rhythm, scales, intervals, chords and chordal progression will be emphasized. Open to all students.

Mus 102 Theory 1 (unit)

The study of basic two, three and four-part writing in functional harmony. Also beginning solfege (sight singing) with melodic and rhythmic dictation.

Prerequisite: Mus 101 or permission of the instructor.

Mus 141-142 Music in the Western World 1-1 (unit)

A survey of music with emphasis on the stylistic character and cultural climate of the important art epochs of Western Civilization. In addition, the survey will show how the various arts respond to the socio-cultural conditions and how they are related to each other.

Mus 201 Music of the Renaissance and Baroque 1 (unit)

A study of music from 1450-1750 covering vocal and instru-

mental styles of the Renaissance and works of the great Baroque composers such as Monteverdi, Purcell, Bach and Handel.

Prerequisite: Mus 141-142 or permission of the instructor. Offered 1973-74.

Mus 202 Music of the Classical and Romantic Periods 1 (unit)

A survey of music from 1750-1900, with emphasis on the music and life of Mozart, Haydn, Beethoven and Brahms.

Prerequisite: Mus 141-142 or permission of the instructor. Offered 1973-74.

Mus 207 The American Film Musical 1 (unit)

The film musical "in whole or in part has its shape, its movement, its whole feeling, dictated by music". Study of the style, score, choreography and rhythm of the Hollywood musical.

Mus 208 Opera 1 (unit)

The study of opera as a living art. Required opera attendance.

Mus 253 Beethoven's Instrumental Works 1 (unit)

Instrumental works of Beethoven. Second part; emphasis on the works beginning with Op. 97.

Mus 256 Haydn 1 (unit)

The better known works of Haydn: orchestral, chamber music, piano and oratorios.

Mus 260 Twentieth Century Music 1 (unit)

The study of American and European contemporary composers, their styles and music and their influence on avant-garde techniques. The course will include lectures, demonstration and listening, with related outside reading and required concert attendance. Prerequisite: Mus 201-202 or permission of the instructor. Offered 1973-74.

Mus 281-282, 283-284 Glee Club 1.5-1.5, 1.5-1.5 (credit)

The Glee Club is open to all interested students who enjoy singing. Credit is optional, attendance required; a student may receive up to 6 credits for Glee Club participation. Glee Club activities include two joint concerts with orchestra and visiting male chorus presented each year and additional participation on special occasions in College-wide events. The choral literature explores music from the Middle Ages to the contemporary period.

Mus 291-292 Tutorial in Guitar 1.5-1.5 (credit)

Basic introduction to the guitar. Playing easy chords and

progressions in various keys using songs suitable and interesting to students. Each student is responsible for her own instrument. By permission only. Offered 1973-74.

Mus 293-294 Tutorial in Instrumental Ensemble
1.5-1.5 (credit)

A select group of instrumentalists, with previous musical experience in high school or college band or orchestra, who wish to play music for small ensemble and chamber groups. Acceptance by audition. Offered 1973-74.

Mus 497,498 Independent Study in Music 1-3,1-3 (credit)

Philosophy

The philosophy program at Newton College is designed for the students who want to integrate their experience as responsible persons in the communities in which they live. The program is based on the conviction that action must be informed with both critical reflection and vision if it is to proceed from a complete awareness of what such action involves.

A wide variety of courses is available in the department: courses such as analytic philosophy and symbolic logic should aid the student in developing her critical reflection, while others such as philosophy of community, philosophy of creativity, values of contemporary man, philosophy in literature and philosophy of religion should help the student broaden her vision and formulate a meaningful personal philosophy. Belief in the validity of William James' statement: "To know the chief rival attitudes towards life, as the history of human thinking has developed them, and to have heard some of the reasons they can give for themselves, ought to be considered an essential part of liberal education," has led the department to stress the importance of the sequence of courses offered in the history of philosophy.

The study of philosophy has always been held in honor at Newton and regarded as an indispensable requisite for study in any department as well as for the

development of a thoughtful adult. Therefore, most courses in the department are open to every student.

The student planning to major in philosophy will work out her own program with the advice of the department. Some programs could be oriented specifically toward graduate studies whether in philosophy or any other field. Other programs could be designed to take advantage of the interdisciplinary and integrative role of philosophy to increase the student's understanding of herself and her relations to others.

REQUIREMENTS FOR MAJORS

For a major in philosophy, the requirements are as follows: a minimum grade of C in 12 courses and/or seminars in the Department of Philosophy, including at least one course or seminar in each of the following areas:

- (1) Logic (2) History of Philosophy and Modern Philosophy (3) Ethics (4) Problems of Philosophy: issue-oriented courses and seminars (5) Problems of Philosophy: man-oriented courses and seminars.

The course numbers indicate the level of the courses as well as the area of Philosophy:

The first digit indicates the course level.

The second digit indicates the following areas: 1—Logic; 2—History of Philosophy and Modern Philosophy; 3—Ethics; 4—Problems of Philosophy: issue-oriented courses and seminars; 5—Problems of Philosophy: man-oriented courses and seminars.

The third digit indicates the semester a course is taught: 1—first semester; 2—second semester.

An acceptable senior project.

Students planning to pursue graduate study in philosophy are strongly advised to take the following courses: Phil 317; Phil 321; Phil 323; Phil 325; Phil 326; Phil 344; Phil 353. They are also advised to acquire the reading knowledge of a foreign language (preferably French or German) and to take the Graduate Record Examination at the end of their junior year or at the beginning of their senior year.

REQUIREMENTS FOR MINORS

For a minor in philosophy the requirements are as follows: a minimum grade of C in 6 courses and/or seminars in the Department of Philosophy, including at least one course or seminar in 3 of the 5 areas required for majors.

LE 155-156 Philosophy of Culture 1-1 (unit)

The course examines man's attempts to improve the quality of human life through a search for order and a meaningful existence in social institutions. A study of such issues—as they are reflected in some major literary, philosophical and religious works—is intended to acquaint the student with certain typical concepts and methods of investigation common to the humanities. The aim is to develop skills of analysis, synthesis and critical evaluation which would enable a person to understand himself and his environment.

LE 157-158 Philosophy of Man 1-1 (unit)

This course aims at waking the dormant philosopher in each student as she learns to inquire into herself, her relationship to others and to society, her own values and the measure of her involvement in the world.

During the first semester the student will examine the full connotation of a dynamic view of man and the world (Bergson, Teilhard de Chardin). She will study different interpretations of knowledge (but the phenomenological-existential approach of Merleau-Ponty, Heidegger, Marcel and Camus will be emphasized). And, she will explore various means of self-knowledge. She will try to experience these as far as possible. It is in that spirit that she will choose one concrete medium of exploration: drama-dance, photography, weaving or painting (with the help of professors from the Division of Humanities and Fine Arts).

During the second semester the student will study the notion of person as source of creativity and intersubjectivity (Sartre, Buber, Marcel). She will investigate values in a world where the traditional ones are disintegrating. Finally she will search for the possibility and meaning of genuine community.

LE 159 History of Philosophy I 1 (unit)

Pre-Socrates to Locke.

LE 160 History of Philosophy II 1 (unit)

Locke to Present.

An introduction to some of the basic ideas of the main philosophers in the history of Western thought. Stress will be placed on problems pertinent to the contemporary world. The class will read the same primary sources and groups within the class will read different secondary sources, then compare them in relation to the primary sources.

Phil 111, 112 Logic and Practical Decision 1, 1 (unit)

The aim is to provide a nontechnical introduction to the

principles and patterns of formal and informal reasoning—especially as they relate to communication and decision-making process concerning life-style, purposive behavior, conflict resolution and responsibility. Topics will also include the functions of language, symbolism, meaning and communication and special types of discourse.

Phil 111, first semester, is offered in consecutive years.

Phil 112, second semester, is offered in alternate years (1973-74).

Phil 117 Logic and Certitude 1 (unit)

A study of the operations of the human mind—abstraction, judgment and reasoning—with emphasis on the practical application of the law of logic. Exercises will be assigned which should aid the student in her search for clarity of thought and expression. An inquiry into the validity and extent of human knowledge, including an examination of the sources, kinds and criteria of truth and certitude.

Phil 132 Ethics 1 (unit)

A study of approaches and norms used by selected philosophers in their attempts to analyze experiences of worth and value. Offered 1973-74.

Phil 142 Philosophical Themes and Methods 1 (unit)

A study of certain contemporary human concerns (as ethical ideals, social classes, responsibility) through an analysis of representative philosophical traditions and methods. Critical values of the philosophical method: (a) for the assessment of the intellectual products of our civilization in a variety of areas (as morality, politics, religion, social sciences, etc.); and (b) for the formulation of one's personal views and beliefs. Through readings in diverse fields, an attempt will be made to develop a rationale in appraising problems of a broad relevance to human concerns. Offered 1973-74.

Phil 144 Metaphysics 1 (unit)

An introduction to man's search for the meaning of being, change, causality, truth, goodness, unity and beauty. Readings from philosophers representing different schools of thought. Offered alternate years.

Phil 223 American Philosophy 1 (unit)

Jonathan Edwards to Sidney Hook. General historical trends, together with an analysis of the principal texts of William James, Josiah Royce, John Dewey and Alfred North Whitehead.

Phil 225 British Empiricists 1 (unit)

Systematic study and critical analysis of the main works of Locke, Berkeley, and Hume.

Phil 226 Modern Rationalists 1 (unit)

Systematic study and critical analysis of the main works of Descartes, Spinoza, Leibniz, Kant, and Hegel. Offered 1973-74.

Phil 232 Values and Contemporary Man 1 (unit)

Contemporary man's search for values in a rapidly changing world where traditional values are collapsing will be investigated mainly through the media of literature, film and art.

Phil 237 Contemporary Problems in Social Philosophy 1 (unit)

An examination of the philosophical and moral doctrines involved in such social conceptions as utility, the common good, natural law and natural rights, justice and equality, tolerance and liberty. Offered 1973-74.

Phil 238 Problems in Ethics and the Philosophy of Mind 1 (unit)

A study of the current ideas concerning man's moral conduct in the light of his intellectual commitments, as interpreted by some major philosophers and moralists—the British Utilitarians, Butler, Kant, Moore, Stevenson, Ross, Baier, Perry, Hare, and others. Offered 1973-74.

Phil 251 Philosophy of Creativity 1 (unit)

An inquiry into the possibility of a new philosophy of man based on his essential creativity. The ways of developing the deeper awareness flowing from this. The possibility of creative communities. The ideas of Watts, Sartre, Huxley, Bergson, Marcel and Kazantzakis will be investigated. Limited to 15 students.

Phil 256 Contemporary Problems Seminar 1 (unit)

This seminar will be given by professors from the Art and the Philosophy departments. Its purpose is to enable the students and the professors involved in it to discuss together in depth and in breadth challenging contemporary problems common to the two disciplines, such as the person and the community, responsibility and creativity, or methods of self-knowledge. The seminar will focus on one central problem each year. Offered 1973-74.

Phil 317 Symbolic Logic 3 (credit)

Introduction to the current methods of formal logic and logical

analysis. The theory of truth functions and propositional calculus; normal schemata and Boolean expansions; duality; proofs of consistency and validity. Properties, development, and interpretation of axiomatic theories (logistic systems). Calculus of functions: uniform quantification and methods of natural deduction; general theory of quantification, introduction of the theories of identity, classes and relations. Theory of descriptions. Logical and semantical paradoxes. Applications in the analysis of argumentative prose.

This course presupposes no specialized training in logic and mathematics.

Offered as a tutorial. Underclassmen allowed to enroll.

Phil 321 Plato and Aristotle 1 (unit)

A study of some of the major works of these philosophers in the light of contemporary problems. Offered 1973-74.

Phil 322 Augustine—Thomas 1 (unit)

A study of some of the major works of these philosophers in the light of contemporary problems. Offered 1973-74.

Phil 324 Philosophies of Education 3 (credit)

An investigation of the philosophical foundations of educational practice. The philosophy of traditional and progressive education, especially in the light of some current social, ethico-religious and scientific developments. Concerning pedagogical practice and educational aims and values, the following philosophical orientations will be examined: Essentialism (Realism, Idealism, Empiricism, and the Linguistic-Analytic Philosophy); Progressivism (Naturalism, Experimentalism); and Perennialism (Humanism, Existentialism, Marxism).

Phil 326 Existentialism 1 (unit)

The well-known European Existentialists: Kierkegaard, Berdyaev, Heidegger, Gabriel Marcel, Camus, Sartre and Simone de Beauvoir. Existentialism in the United States. Selected readings from the novels, the plays and the philosophical essays of these writers. Offered 1973-74.

Phil 327-328 History and Philosophy of Science 1-1 (unit)

An examination of man's recent attempts, in their cultural contexts, to understand the physical environment. Historical and critical study of the development of modern scientific methods and fundamental concepts in natural and behavioral sciences. Topics include: (a) the development of the concepts of matter, force, energy and dynamics; structure and function;

emergence, evolution and natural selection; behaviorism and purposivism; (b) types of explanation; verification; causality; theory making and concept formation; reduction; measurement; the nature of explanations of human actions.

This course presupposes no specialized background in science and is intended both for those who do not expect to take further work in science or related subjects and for those who may wish to continue in the natural or the behavioral sciences.

The second semester may be taken without the first with the consent of the instructor.

Offered 1973-74.

Phil 334 Social Philosophy 3 (credit)

A study of the communities of friendship, marriage, family, state, nation and church, and of their relations to one another. Offered alternate years.

Phil 335 Utopias and Communes in America 3 (credit)

An inquiry into the ideals of the utopian communities of 18th and 19th Century America: the Shakers, Owen's New Harmony, Fruitland, Brook Farm and the Oneida Perfectionists, as well as those of today's varied communal experiments. Offered alternate years.

Phil 341 Philosophy of Religion 3 (credit)

A phenomenological approach to the meaning of religion, with stress placed on some of the epistemological problems of religion, and a study of some of the answers given by psychology and mysticism. An attempt will be made to discover the relation of metaphysics to religion. Offered alternate years.

Phil 342 Philosophical Presuppositions of Contemporary America 3 (credit)

Besides contemporary philosophical works, plays, movies, novels, editorials, popular songs and publications of different political movements will be used in an attempt to bring to the surface some of the basic philosophical positions at work in present day thought. Majors from different disciplines will be especially helpful in this understanding. Offered alternate years.

Phil 343 Philosophy of Language 3 (credit)

A study of the nature and uses of language in order to develop a philosophical method of analysis. The use of the philosophical method based on a linguistic conception of philosophy to achieve results on such subjects as mind, behavior, morals,

understanding, certainty, and belief. The decisive influence of Wittgenstein on current Anglo-American philosophy.

Readings in the major works of Wittgenstein and important commentaries. Offered as a tutorial.

Phil 344 Contemporary Analytic Philosophy 3 (credit)

An intensive study of the important influence and key themes of contemporary analytic philosophy. Symbolism, meaning and use, sign-using behavior, special types of discourse, and conditions of knowledge. Readings in the major works of Russell, Moore, Wisdom, Anscombe, Ryle, Austin, Quine, Strawson, Malcolm and others.

Phil 345 Far Eastern Philosophies 3 (credit)

An introduction to the study of Far Eastern philosophies: the Analects of Confucius; the Tao-Te-Ching; the Upanishads; the Bhagavad Gita and critical works concerning them. Directed study of the following contemporary thinkers at the student's choice: Daisetz Suzuki (Zen Buddhism); Mahatma Gandhi; Rabindranath Tagore.

Phil 346 Existentialism and Buddhism 1 (unit)

A comparison of the ideas of Gabriel Marcel and of Martin Heidegger to Buddhism and to Zen Buddhism. Intensive study of both Western and Eastern sources. Offered 1973-74.

Phil 347-348 Seminar in Philosophy in Literature 3 (credit)

An investigation of philosophical insights concerning the conduct and the condition of human life, as they appear in a selection of outstanding contemporary and classical literary works. Members of the seminar will participate in selecting a reading list. Since the emphasis will be predominantly on discussion, the seminar will require of its members a strong intellectual motivation and an active participation.

Whenever possible this seminar will be conducted inter-departmentally.

Phil 410 Mathematical Logic 1 (unit)

Completeness proof of quantification theory. Existence and singular inference; identity; descriptions. Number axioms and informal proofs. Classes and axiomatic set theory. Relations and functions. Variant theories of classes and ultimate classes. Mathematical induction. Analysis of foundations of mathematics: formalism, intuitionism, logicism. Paradoxes: Russell's; Grelling; Skolem; Burali-Forti. Theory of

Types and possible solutions of paradoxes. Modal logic and necessity. Introduction to many-valued logics. Applications and theory of logic.

Prerequisite: Phil 317 or the consent of the instructor. Offered 1973-74.

Phil 423 The French Spiritualistic School 1 (unit)

The reaction of French philosophers to the positivism of Condillac, Comte, and Spencer. The spiritualism of Pascal, Maine de Biran and Lachelier. The spiritual positivism of Ravaisson, Boutroux, Bergson and Teilhard de Chardin. Bergson's theory of creative evolution and Teilhard's evolutionary world view from cosmogenesis to christogenesis will be emphasized. Offered 1973-74.

Phil 441 Philosophy Seminar: Minds, Machines, and Purposive Behavior

A philosophical study of the comparative behavior of minds and machines with special reference to the concepts of purpose and intentional action. Determinism and freedom; goal directed behavior, purposivism, and behaviorism. Offered 1973-74.

**Phil 497, 498 Independent Study in Philosophy
1-3, 1-3 (credit)**

The student who wishes to take one or two semesters of independent study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

PS 499 Senior Project 0-3 (credit)

**Division of
Language, Literature and Communications**

The Division of Language, Literature and Communications offers majors in English, Comparative Literature, French, German, Spanish and Modern Languages and programs in Classics, Italian, Russian, bilingual teaching (in conjunction with the Education Program) and in Communications.

Liberal Education courses offered in the division are:

- LE 121 The Greek World 1 (unit)**
- LE 122 The Roman World 1 (unit)**
- LE 123 Tradition and Growth 1 (unit)**
- LE 124 Tradition and Growth 1 (unit)**
- LE 125 The Image of Women in Literature 1 (unit)**
- LE 126 The Literary Experience 1 (unit)**

Classics

The Classics Program is designed to introduce students to the major ideas and institutions of Greek and Roman civilization in relation to the continuum of human experience. To this end, courses are offered in English translation as well as the Greek and Latin languages. A member of the Newton College faculty conducts the program, and additional courses and resources are available through cross-registration at Boston College.

LE 121 The Greek World 1 (unit)

An examination of the major ideas and institutions of Greek civilization through careful reading in English translation of important Greek writing, literary, philosophical, historical and political. The aim of the course will be an understanding of the ways in which the Greeks approached those problems and ideas which, recurrent in other eras and civilizations, are central to all humanistic investigations. Lectures, discussions and reports.

LE 122 The Roman World 1 (unit)

This course will follow the same pattern as LE 121, the Greek World, only with Rome as the focus of attention. Offered 1973-74.

CL L 101-102 Elementary Latin 1-1 (unit)

Offered on request.

CL L 201-202 Intermediate Latin 1-1 (unit)

Review of grammar and introduction to Latin literature through study of selected texts, both prose and poetry. Offered on request.

CL G 101-102 Elementary Greek 1-1 (unit)

Offered 1973-74.

CL G 201-202 Intermediate Greek 1-1 (unit)

Review of grammar and study of Greek prose style through careful reading of representative Greek writers.

CL 497, 498 Independent Study 1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

Only one Independent Study course should be carried in any one semester.

Communications

Communications is a newly created program in the Division of Language, Literature and Communications.

The Communications program for freshmen responds to the belief that the student's pursuit of a liberal education must be accompanied by facility in writing, reading, logical thinking, discussion and critical dialogue. In addition the student should become aware of the resources of the library and of the expectations of the faculty in the writing of research term papers. The study of film, an increasingly important medium, is also introduced.

Foreign students should take Com 103-104 in place of Com 101-102.

The course Com 205 represents the beginnings of the development of Communications courses on a more advanced level.

Com 101-102 Communication: The Uses of Language 1-1 (unit)

This course in expository and experimental writing emphasizes the control of meaning through critical and creative thinking and through mastery of style. Students will be asked to read thoughtfully and to participate regularly in informal class discussions on a variety of texts representing a wide range of themes. The first semester course will include an introduction to library and research skills. During the second semester the readings will be supplemented by a series of films presented in cooperation with the art department. Classes limited to 20 students.

Com 103-104 English for Foreign Students 1-1 (unit)

A course especially designed for students whose native language is not English. Open to students in any year. Limited enrollment.

Com 205 Communications Seminar and Workshop
1 (unit)

An exploration of the problems of expressing a concept or emotion and of intercepting and interpreting these concepts and emotions as they are expressed by others. An exploration of the historic, emotional, religious and cultural influences which bias this process.

Comparative Literature

The English, Modern Language and Classics faculty cooperate in offering a major in Comparative Literature. The major gives the student with training in languages the opportunity to study literature on a comparative basis.

Comparative Literature seeks to intensify our appreciation of national literary phenomena by viewing them as part of a series of international literary movements. It is a rigorous discipline since it requires not only intensive language study, but also a mastery of the principles of literary criticism. On the other hand, it is a discipline that offers the student a wide range of possibilities for planning her individual college program. For example, a student may wish to concentrate her efforts on the study of the romantic period, in which case she will take courses in several departments related to romanticism: English, the language departments, History, Philosophy, as well as Comparative Literature. Other possible areas of concentration include the Renaissance, Latin-English literary relationships and the modern period.

In Comparative Literature courses, majors are asked to work in at least two languages (one of which may be English). The courses are, however, open to any interested student, and non-majors may work entirely in translation.

In a modern world that increasingly demands that we look beyond our national interests and attempt to understand our role from a wider perspective than in the past,

Comparative Literature finds its place as a highly appropriate undergraduate program in a liberal arts college. The major also serves as a basis for further study in graduate programs in English, languages, or Comparative Literature.

REQUIREMENTS FOR MAJORS

The requirements for the major in Comparative Literature are:

12 credits in a primary literature

6 credits in a secondary literature

12 credits in Comparative Literature

Senior Project

Eight courses, with a grade of C or better, must carry upper-division credit.

Eng 225 and either Eng 213, 214 or 215 are highly recommended.

Students must work closely with an adviser in planning their individual programs.

COURSE DESCRIPTIONS

LE 123 Tradition and Growth 1 (unit)

A study of some of the works that have shaped western literature from classical to modern times. Whenever possible, the older texts will be discussed in conjunction with related contemporary texts dealing with similar themes. During the first semester, the principal texts studied will be the Homeric epics, Greek tragedy and comedy, Roman satire, and Virgil's *Aeneid*.

LE 124 Tradition and Growth 1 (unit)

A continuation of LE 123. The second semester's reading will include *The Confessions of St. Augustine*, Dante's *Divine Comedy*, Chaucer's *Canterbury Tales*, and Cervantes' *Don Quixote*.

Comp L 205 Comparative Romance Literature 1 (unit)

The aim of this course is to offer students of language and literature an opportunity to study various literary movements in Italy, France and Spain through representative writers. The course will concentrate on the variations and interpretations of the theme of love (courtly and neoplatonic traditions), death and fate which highlighted the literature of these countries during the Middle Ages and the Renaissance. The course will be conducted in English and bilingual texts will be used.

Comp L 206 Comparative Romance Literature 1 (unit)

A continuation of Comp L 205.

Comp L 301 Romantic Movement in Europe 3 (credit)

An inquiry into the origins and development of Romanticism in literature through study of major works by continental and British writers. Upper-division credit in French and German provided that a significant portion of the course is supervised by the respective language departments.

Comp L 302 Romantic Movement in Europe 1 (unit)

A continuation of Comp L 301. Offered 1973-74.

Comp L 303 Contemporary European Novel 1 (unit)

Themes and techniques in representative English and continental novels from Flaubert to Gide. Upper-division credit in English. Upper-division credit in French and German provided that a significant portion of the course work is supervised by the respective language department. Offered 1974-75.

Comp L 304 Contemporary European Novel 1 (unit)

Themes and techniques in representative English and continental novels from Kafka to Grass. Upper-division credit in English. Upper division credit in French and German provided that a significant portion of the course work is supervised by the respective language department. Offered 1974-75.

Comp L 305 Comparative Romance Literature 4 (credit)

Lectures and class work as for Comp L 205. Students wishing to receive upper-division credit in Spanish, French and Italian must, in addition, complete a significant portion of the course work under the supervision of the respective language department.

Comp L 306 Comparative Romance Literature 4 (credit)

A continuation of Comp L 305.

English

If a liberal education is primarily concerned with meaning, values and the definition and recognition of human dignity, then language and literature are central to such an education; and in the 1970's every serious student is aware of this.

Through the study of literature we become aware of how human beings in all ages have imaginatively

shaped, interpreted and affirmed their own experience. Through the study of languages and literatures not their own, students multiply their power of understanding and communicating with others. The student of English and American literature has a personal involvement, both intellectual and emotional, with her subject matter. If she decides to specialize, she will herself create and carry out, with faculty guidance and help, a sound and coherent program through which, while doing justice to the wide variety of available material, she satisfies her own aims and interests. Lectures and seminars may be supplemented by independent study. Course offerings vary in their approach. Some give intensive training in the techniques and themes of one genre; others stress the placing of works in their historical context; others focus on a major author or a single theme; still others explore the theoretical basis of literature and criticism.

Such study encourages discrimination in thought and expression and serves as preparation for many careers, as well as, for personal development.

Successful completion of the Communications requirement (see general requirements for the degree) is prerequisite for all courses except Eng 201-202 and LE 105 and 106. All courses are open to non-English majors with the permission of the instructor.

REQUIREMENTS FOR MAJORS

The requirements for the major in English are:

Eng 201-202

Eng 213, 214 or 215

Eng 311 and 312

Six upper-division courses, two of which must be in the period preceding 1800.

Senior Project

A total of eight upper-division courses must be completed with a grade of C or better.

Eng 255 is highly recommended for majors.

All majors must have their course of study approved by their adviser prior to registration.

REQUIREMENTS FOR MINORS

The requirements for the minor in English are:

either Eng 201-202 and three upper-division courses
or four upper-division courses.

LE 125 The Image of Woman in Literature 1 (unit)

Analysis of the ways women have been portrayed in literature of different periods and styles, with emphasis on the nineteenth and twentieth centuries. A number of speculative questions will be explored. What recurrent images of women can be found in such a study? How truly do these images represent the reality of "women's nature"? How do they reflect the myths, fantasies and ideals of the writer and his age? How does literature help to define woman's idea of herself?

LE 126 The Literary Experience 1 (unit)

Exploration of possible answers to the question "What is literature?" While principal and contrasting theories will be presented through the cooperative effort of the professors, class discussions will permit testing the validity of past and present propositions and allow for student reactions. Although the structure of the course will be theoretic, selected writings will be analyzed for their literary function, thematics and genre.

Eng 201-202 History of English Literature 1-1 (unit)

A survey of English literature designed to give the student a background for more specialized courses. Both semesters are required of English majors. This requirement may be waived by passing a qualifying examination.

Eng 213 Introduction to Drama 1 (unit)

Several modern plays compared with plays of earlier periods in order to explore the historical and theatrical relations between them. Offered 1973-74.

Eng 214 Introduction to the Novel 1 (unit)

Practice in critical analysis of fiction and in critical writing through the intensive study of a single English or American novel.

Eng 215 Introduction to Poetry 1 (unit)

A course designed to acquaint the students with the themes and techniques of poetry and to give the student practice in the critical analysis of poetry.

Eng 225 Introduction to Literary Theory 1 (unit)

Reading and discussion of modern theories of the nature and function of literature. Highly recommended for English majors.

Eng 241 Creative Writing 1 (unit)

Workshop in fiction, poetry and drama. Writing sample must be submitted. Enrollment limited to 12.

Eng 242 Creative Writing 1 (unit)

Continuation of Eng 241.

Eng 285 Post-World War II British Novel ½ (unit)

Reading and discussion of eight novels. Offered 1973-74.

Eng 286 Post World War II American Novel ½ (unit)

Reading and discussion of eight novels.

Eng 301 Old English Language and Literature 3 (credit)

Introduction to Old English grammar; reading, analysis and discussion of Old English poetry and prose in the original and in translation.

Eng 302 History of the English Language 1 (unit)

A chronological survey of the development of the English language from the Old English period to the present. Representative samples from each period will be analyzed in detail, with emphasis on phonology, vocabulary, grammar and idiom. Readings will include contemporary essays on current approaches to language and linguistics. Offered 1973-74.

Eng 305 Chaucer 1 (unit)

Readings in *Canterbury Tales* with collateral readings in contemporary related authors. Offered 1973-74.

Eng 306 Fourteenth Century Literature 3 (credit)

Chaucer, exclusive of *Canterbury Tales*, English mystical writers, cycle plays. The course will attempt to relate literary movements of the fourteenth century with more contemporary movements in English literature.

Eng 307 Sixteenth Century Literature 3 (credit)

Study of the poetry and prose of the early Renaissance in England. Continental backgrounds.

Eng 308 Spenser 3 (credit)

Reading and analysis of the minor poems and the *Faerie Queene*.

Eng 311 Shakespeare 3 (credit)

Reading of the collected plays, with class discussion of history and criticism. Required of English majors.

Eng 312 Shakespeare 3 (credit)

A continuation of Eng 311. Required of English majors.

Eng 313 Seventeenth Century Literature 1 (unit)

Study of poetry and prose of the late Renaissance in England. Offered 1973-74.

Eng 314 Milton 1 (unit)

Reading, analysis and discussion of Milton's poetry and prose. Offered 1973-74.

Eng 315 Eighteenth Century Novel 3 (credit)

A study in the development of the novel as an art form. Authors to be read include DeFoe, Richardson, Fielding, Smollett, Sterne, Goldsmith and Fanny Burney.

Eng 317 Restoration and Early Eighteenth Century Literature 1 (unit)

A study of prose, drama and poetry centering around 1660; the focus will be on the new city culture emerging and its influence on the development of Neo-classicism. Authors include: Butler, Bunyan, DeFoe, Pepys, Dryden, Pope and Swift. Offered 1973-74.

Eng 320 The Novel in the Nineteenth Century 1 (unit)

Fiction from Jane Austen to Thomas Hardy. Several novels will be studied both as artistic creations and as cultural and social documents. Offered 1973-74.

Eng 321 Romantic Poets 3 (credit)

Extensive reading of the major poets (Blake, Wordsworth, Coleridge, Keats, Shelley, Byron) with class discussion of the spirit and literary theory of the school.

Eng 324 Literature and History of Victorian England 3 (credit)

How the prose literature of Victorian England reflects major social and political issues that still affect contemporary English society. If this course is taken for history credit, the number is His 354.

Eng 341 The Modern American Novel 3 (credit)

The American Novel from 1910 to the present.

Eng 342 The Modern British Novel 3 (credit)

Critical reading and discussion of major and minor authors placed in the context of twentieth-century British society.

Eng 343 Modern Drama 3 (credit)

English and Continental drama from the end of the nineteenth century through the present. Extensive reading and discussion.

Eng 344 Modern American Drama 3 (credit)

American drama from the end of the nineteenth century through the present. Extensive reading and discussion.

Eng 345 Modern English Poetry 1 (unit)

Close reading of twentieth-century poets with some research on minor figures. Offered 1973-74.

Eng 346 Modern American Poetry 1 (unit)

Close reading of twentieth-century poets with some research on minor figures. Offered 1973-74.

Eng 347 Anglo-Irish 1 (unit)

Discussion of drama, poetry and fiction of the Irish literary Renaissance of the first half of the nineteenth century. Offered 1973-74.

Eng 349 Satire 1 (unit)

Selected satiric works representing various genres and periods from classical to modern times. Discussion of the theory, themes and techniques of satire. Analysis of the problems involved in defining satire from social, philosophical and formalist points of view. Offered 1973-74.

Eng 351 Survey of American Literature 3 (credit)

Study of American literature from the seventeenth to the nineteenth century with emphasis on developing awareness of the Millennium.

Eng 352 Survey of American Literature 3 (credit)

Disillusionment in the Millennium and the American Dream become Nightmare (Walt Whitman-LeRoi Jones).

Eng 360 The Colonial Writers 3 (credit)

Study of the earliest writings of America. Representative selections will be taken from Pilgrim journals, Puritan prose, early poetry, essays and sermons.

Eng 361 The American Short Story 1 (unit)

A study of the American short story from Washington Irving to the present. Offered 1973-74.

Eng 362 Realism and Naturalism in American Literature 3 (credit)

Study of the development of the realist and naturalist movements from 1865-1910. Selections from Twain, Howells, Dreiser, Lewis, etc.

Eng 364 The Twenties 1 (unit)

A study of a decade in fiction, essays, and poetry. The course will deal with such movements as the Harlem Renaissance, the expatriates and the regionalists. Offered 1973-74.

Eng 365 The Thirties 1 (unit)

A study of the depression through novels, journals and essays. Offered 1973-74.

Eng 366 Contemporary Literature in America 1 (unit)

Discussion of drama, novels and poetry considered in the light of the cultural and aesthetic values of contemporary America. Offered 1973-74.

Eng 380 Criticism 3 (credit)

A seminar on twentieth-century literary critics, mostly American. Eng 225 is a desirable prerequisite.

Eng 401, 402 English Literature Seminar 2, 2 (credit)

Every year the department offers one or more seminars for advanced students. Possible topics: Jane Austen, Henry James, Conrad and Lawrence, Jacobean Drama, Metaphysical Poetry. 1972-73 Spring only.

In 1972 the topic for Eng 402 is Jane Austen.

Eng 403, 404 American Literature Seminar 2, 2 (credit)

Every year the department offers one or more seminars for advanced students. Possible topics: Melville, Hawthorne and Poe; Emerson, Thoreau and Whitman; Hemingway and Fitzgerald. 1972-73, Fall only.

In 1972 the topic for Eng 403 is Melville, Hawthorne and Poe.

Eng 497, 498 Independent Study in English 1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's Office.

The student must successfully carry through the project as

outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

Only one Independent Study course should be carried in any one semester.

Courses from other departments which carry upper-division credit for majors in English include:

Comp L 301, 302 Romantic Movement in Europe

Comp L 303, 304 Contemporary European Novel

Modern Languages

In Newton's Modern Language Department, students from every major, as well as students concentrating in languages, may acquire an indispensable tool for understanding the variety and richness of the cultures of other nations. Through developing a sympathy for nations not their own students are able to see their own country in a new perspective and to appreciate the international dimensions of contemporary problems.

Students may learn effective communication and cultural understanding through the study of the languages of France, Germany, Italy, Russia and Spain. Every opportunity is offered the student to speak the language or languages of her choice with a fluency as nearly as possible like that of a native speaker, and to write with grammatical correctness. Courses in cultural history and literature place at the student's disposal the teacher's own familiarity with the customs, traditions, ideals and hopes of the people whose language she is learning.

Besides the regular programs on campus, the department has organized Summer Institutes to be spent at specified centers abroad under the supervision of the department. Both majors and non-majors can also arrange to spend a semester of study abroad in programs set up by the department. The college is at present expanding its interest in this important aspect of language training.

Many different career opportunities are open to those who specialize in languages, and the department offers courses which prepare students for these professional careers. Through cooperation between the Modern Language Department and the Education Program students may begin to qualify themselves for bilingual teaching. Modern Languages are important tools for the study of many other fields—Political Science, Comparative Literature, English, Urban Studies.

Students interested in Modern Languages may major or minor in French, German or Spanish, or they may combine the study of two languages of the following languages: French, German, Spanish, Russian and Italian.

REQUIREMENTS FOR MAJORS

The requirements for the major in French, German or Spanish are:

- 2 units in Elementary courses or qualifying proficiency test
- 2 units in Intermediate courses or qualifying proficiency test
- 8 upper-division courses with a grade of C or better
- Senior Project

REQUIREMENTS FOR MINORS

The requirements for the minor in French, German or Spanish are:

- 4 upper-division courses completed with a grade of C or better.

COMBINED MODERN LANGUAGE MAJOR

The requirements for the Combined Modern Language major are:

- A. Major Language
 - 2 units in Elementary courses or qualifying proficiency test
 - 2 units in Intermediate courses or qualifying proficiency test
 - 6 upper-division courses with a grade of C or better
 - Senior Project
- B. Minor Language
 - 2 units in Elementary courses or qualifying proficiency test

2 units in Intermediate courses or qualifying proficiency test

6 upper-division courses with a grade of C or better

Students are advised to visit with the professors of the Department of Modern Languages for more information on qualifying tests, courses offered abroad, senior project and independent studies.

ML 301-302 Introduction to Linguistics 1-1 (unit)

This course can be taken by all Modern Language majors and will provide for special assignment in the individual target language. It will cover the following: phonetics and phonology of language; principles of structural linguistics; a survey of modern grammar; semantics; etymology; essentials of historical linguistics; the principal theories on the psychology and philosophy of language. Offered 1973-74.

ML 306 Teaching English as a Second Language and Bilingual Classes 1 (unit)

Problems, methods and techniques related exclusively to the teaching of English as a Second Language will be the areas of study and discussion. Special emphasis will be given to: social and cultural implications; the immigrant and the psychology of learning; understanding anomie, orientation to group, phonetics, grammatical structure, language laboratory technique, textbooks and educational aids. Offered 1973-74.

ML 497, 498 Independent Study 1-3, 1-3 (credit)

The student who wishes to take one or two semesters in Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's Office. The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit. Independent Study is offered in any language.

ML 499 Senior Project 0-3 (credit)

Courses offered in Comparative Literature which carry upper-division credit for majors in languages, provided the reading and papers are done in the target language under the supervision of the prospective language professor.

Comp L 301, 302 Romantic Movement in Europe
3, 3 (credit)

Comp L 303, 304 Contemporary European Novel
3, 3 (credit)

Comp L 305, 306 Comparative Romance Literature
3, 3 (credit)

FRENCH

Fr 101-102 French I 1-1 (unit)

For the beginner and the student with some previous knowledge of French. Three class sessions devoted to the acquisition of reading and writing skills and two laboratory sessions devoted to audio-oral practice.

Fr 201-202 French II 1-1 (unit)

Intensive course stressing oral expression and designed for the student aiming to acquire mastery of authentic French conversational patterns. Daily contact hours (classroom and supervised laboratory).

Recommended to students planning to participate in our study abroad program.

Fr 203-204 French III 1-1 (unit)

Systematic and thorough review of French grammar through multiple and varied forms of literary composition as well as oral exercises. Creative writing in expository, narrative and descriptive forms will be required from the students. Three class sessions plus language laboratory.

Fr 301-302 Advanced French Composition and Stylistics 3-3 (credit)

Course designed to give the advanced student a finer feeling for French style, a sense of shades of meaning and mastery of certain difficulties through oral "Explication de Textes", exercises in composition and translation. The technique of "Analyse littéraire" and "Dissertation littéraire".

Fr 304 French Phonetics and Diction 3 (credit)

Analysis of all French sounds and study of intonation, rhythm, accent and movement for the expressive reading of prose and poetry as well as "native-like" pronunciation. Practical and systematic exercises in the language laboratory.

Fr 305-306 Cultural History of France 3-3 (credit)

A study of French historical and cultural background: its geographical aspects and growth of its arts, sciences and institutions.

Prerequisite: Fr 203-204.

Fr 401 French Literature I 4 (credit)

Historical and critical study of the literary trends of the novel,

drama and poetry of outstanding authors of the twentieth century. Both intensive and extensive reading.

Fr 402 French Literature II 4 (credit)

Study of the various movements and the major works of the important poets, novelists and dramatists of the nineteenth century: Romanticism, Realism, Naturalism and Symbolism. Extensive outside reading.

Fr 403 French Literature III 1 (unit)

Study of the best known authors of the seventeenth and eighteenth centuries, with analysis of their most representative works. Required outside reading of novels, plays and poetry. Offered 1973-74.

Fr 404 French Literature IV 1 (unit)

Historical and critical study of the main authors and the various literary genres of the French literature of the Middle Ages and the Renaissance. Class discussions and extensive outside reading. Offered 1973-74.

Fr 415-416 French Seminar 3-3 (credit)

Subjects to be announced.

Fr 497, 498 Independent Study 1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

Only one Independent Study course should be carried in any one semester.

Fr 499 Senior Project 0, 3 (credit)

Courses offered in Comparative Literature which carry upper-division credit for majors in French:

Comp L 301, 302 Romantic Movement in Europe
3, 3 (credit)

Comp L 303, 304 Contemporary European Novel
3, 3 (credit)

Comp L 305, 306 Comparative Romance Literature
3, 3 (credit)

GERMAN

Ger 101-102 Elementary German 1-1 (unit)

Three class sessions will be devoted to essentials of grammar and the acquisition of reading and writing skills. In addition, two laboratory sessions of aural-oral practice.

Ger 201-202 Intermediate German 1-1 (unit)

This course aims at the further development of the four skills of language: understanding, speaking, reading and writing. Three class sessions will be devoted to reading and discussing works of literary merit and cultural interest and to a complete grammar review. In addition, two laboratory sessions of aural-oral practice. (Optional.) Course conducted primarily in German.

Ger 301-302 German Conversation and Composition 3-3 (credit)

This course is intended for the third-year German student. Its aim is the acquisition of a facility in both oral and written expression. Special emphasis is given to idioms and style. Oral and written reports on selected topics will be required.

Ger 303-304 Survey of German Literature 3-3 (credit)

Lectures in German; reading and discussion of typical works of each period. Fall semester: German literature from the medieval period to Goethe. Spring semester: German literature from Romanticism to the present day.

Ger 305-306 German Civilization 1-1 (unit)

An intensive study through German texts of the cultural and historical background of the German speaking people. Fall semester: From the beginning to the Baroque Period. Spring semester: From the Age of Enlightenment to the present. Conducted in German. Offered 1973-74.

Ger 401-402 German Literature in the Eighteenth Century 1-1 (unit)

Lectures in German on the nature and background of the eighteenth century. Reading and discussion of representative works with emphasis on Lessing, Goethe and Schiller. Offered 1973-74.

Ger 403-404 Contemporary German Literature 1-1 (unit)

Literary trends in Germany and Austria from 1885 to the present. Extensive reading. Conducted in German. Offered 1973-74.

Ger 412 German Seminar 3 (credit)

Subject to be announced. Can be elected as Senior Project.

Ger 497, 498 Independent Study 1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

Only one Independent Study course should be carried in any one semester.

Ger 499 Senior Project 0-3 (credit)

Courses offered in Comparative Literature which carry upper-division credit for majors in German:

Comp L 301, 302 Romantic Movement in Europe 3, 3 (credit)

Comp L 303, 304 Contemporary European Novel 3, 3 (credit)

ITALIAN

It 101-102 Elementary Italian 1-1 (unit)

Introduction to Italian language through basic conversation patterns and essentials of grammar. Weekly language laboratory session and special classroom exercises aimed at the acquisition of a reading knowledge.

It 201-202 Intermediate Italian 1-1 (unit)

Continuation of Elementary Italian, with stress on oral expression and composition. Basic grammatical structures will be analyzed during the reading of Italian prose especially chosen for its cultural and literary values. Conducted exclusively in Italian.

It 301-302 Advanced Italian 1-1 (unit)

While the emphasis of the course will be on the development of language skills through intensive conversations and compositions, the student will be introduced to various aspects of Italian culture and history. Conducted in Italian. Offered 1973-74.

It 303-304 Italian Literature I 1-1 (unit)

Following a series of lectures on literary precepts and

theories, the Italian literary language and some principles of aesthetics, the first semester the course will follow the developments of lyric poetry and related literary movements. Emphasis will be placed on the works of Dante, Petrarch, Lorenzo de Medici, Poliziano and Pulci. The development of Italian prose and its various manifestations will be studied during the second semester. Emphasis will be placed on Boccaccio, Machiavelli and selected writers of the Renaissance. Conducted in Italian. Offered 1973-74.

RUSSIAN

Rus 101-102 Elementary Russian 1-1 (unit)

Simplified Russian grammar supplemented by reading from graded readers. Intensive study of vocabulary and phonetics. Practice in speaking the language. Three class sessions will be devoted to reading and writing skills, as well as elementary conversation and one hour of language laboratory work is required.

Rus 201-202 Intermediate Russian 1-1 (unit)

Advanced grammar. Reading of selected prose. Conversation.

Rus 301-302 Survey of Russian Literature 1-1 (unit)

Biographies of the great Russian writers of the nineteenth and twentieth centuries and the reading of their major works in Russian. Offered 1973-74.

Rus 303-304 Russian Civilization 3-3 (credit)

The purpose of this course is to introduce the language student to Russian civilization: history, art, music, as well as the economy and the geography of the Soviet Union. Conducted in Russian.

SPANISH

Sp 101-102 Elementary Spanish 1-1 (unit)

For beginners or others not yet qualified to enter the Intermediate course. Grounding in all four language skills: speaking, understanding, reading and writing as a preparation for subsequent courses conducted in the language. Three hours of class, one hour of laboratory.

Sp 201-202 Intermediate Spanish 1-1 (unit)

Review of the elements and further development of communication skills aimed at basic literacy. Meets three times a week. Students are encouraged to do individual work in the laboratory.

Prerequisite: Sp 101-102 or equivalent skills in the language to be determined by a placement test.

Sp 301-302 Advanced Oral and Written Spanish

3-3 (credit)

The purpose of this course is to strengthen the student's mastery of Spanish syntax and difficult grammatical problems so that she may express herself correctly and accurately in expository writing.

During the second semester students will be introduced to techniques of close literary analysis. Readings from Spanish American authors with a view to develop insight into their respective cultures.

Prerequisite: Sp 202 or equivalent skills in the language to be determined by a placement test. Required of all Spanish majors.

Sp 303 Spanish Cultural History 3 (credit)

The course is not a survey of Spanish Literature, nor a course in civilization; rather, the study of specific literary, artistic, philosophical and historical documents which reflect and interpret the development of Spanish culture and its mystique. Owing to the very nature of the course and its interdisciplinary aspects, the study of Spanish Cultural History will be approached through problem-solving-module techniques, lectures, guest speakers and classroom discussions. Conducted in Spanish.

Sp 304 Spanish Theatre of the Twentieth Century:

1898-1936 3 (credit)

Intensive study of the works of Unamuno, Azorin, Lorca, Grau, Hermanos Machado, etc. with special emphasis on the elements of existentialism, social protest and dramatic experimentation.

Sp 306 Contemporary Spanish Theatre 3 (credit)

A study of the most important works of Casona, Buero Vallejo, Sastre, Paso and others, as a reflection of some of the social problems of contemporary Spain.

Sp 401 Spanish Literature I 4 (credit)

This course will deal with the development of the novel in Spanish America, concentration on the major themes of man against nature, man against society, etc. In the last four weeks, special emphasis will be made on the writers of the "boom" generation. Conducted in Spanish.

Sp 402 Spanish Literature I 4 (credit)

Contemporary twentieth century Spanish fiction will be studied. The literary trends and the works of significant writers of post-Civil War Spain will be discussed. Conducted in Spanish.

Sp 403 Spanish Literature II 1 (unit)

The ideological and literary contributions of the authors of the generation of 1898. Unamuno, Azorin, Baroja, Valle-Inclan and others will be treated extensively. Conducted in Spanish. Offered 1973-74.

Sp 404 Spanish Literature II 1 (unit)

The student will study in depth the novels of Perez Galdos, one of Spain's greatest novelists. Study of characterization, diction and techniques in *Episodios Nacionales*, *Novela Espanola Contemporanea*. Some of his plays will also be studied. Conducted in Spanish. Offered 1973-74.

Sp 405 Spanish Literature III 1 (unit)

A study of the development of prose in Spain during the Golden Centuries. Among other representative works, *El Lazarillo de Tormes* and *Don Quijote de la Mancha* will be studied and considered in the light of recent interpretations. Conducted in Spanish. Offered 1973-74.

Sp 406 Spanish Literature III 1 (unit)

The course will focus on the evolution of the Spanish Theatre from the Golden Age through an examination of the works of major playwrights. Conducted in Spanish. Offered 1973-74.

Sp 407 Spanish Literature IV 1 (unit)

The aim of the course during the first semester will be the presentation of Spanish lyric poetry of the XV, XVI, and XVII centuries as a continuous evolution of form and content. Representative works of Garcilaso, Herrera, Fray Luis de Leon and San Juan de la Cruz will be studied. Conducted in Spanish. Offered 1973-74.

Sp 408 Spanish Literature IV 1 (unit)

The most significant trends in Spanish poetry and prose from the twelfth through the fifteenth centuries will be studied. Conducted in Spanish. Offered 1973-74.

Sp 410 Spanish Seminar 3 (credit)

In order to provide the student with a synthesizing experience the Spanish Seminar will study general trends in Spanish

literature and formulate conclusions. The professors of the department will collaborate in lecturing on various topics.

Sp 497, 498 Independent Study 1-3, 1-3 (credit)

The student who wishes to take one or two semesters in independent study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office. The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit. Independent Study is offered in any language.

Sp 499 Senior Project 0-3 (credit)

Courses offered in Comparative Literature which carry upper-division credit for majors in Spanish:

**Comp L 305, 306 Comparative Romance Literature
4, 4 (credit)**

**Division of
Science and Mathematics**

Science

Everyone in the last quarter of the twentieth century must be something of a scientist. For neither specialist nor amateur is science at Newton allowed to become an isolated experience. Both must be aware of the responsibilities and challenges of science in the world of today and of the future.

Newton prepares specialists in biology. A core program of courses in the biological sciences provides the basic training necessary for the pursuit of careers in research, medicine, legal medicine, health related areas in general, and teaching. These are areas that our graduates are actively involved in today. Electives in biochemistry, physiology, cellular biology, endocrinology, genetics, ecology and experimental biology round out the core offerings.

The chemistry program provides courses in the fundamentals of chemistry as preparation for all science majors and pre-medical students. In addition, it offers those courses which will enable the chemistry major to enter graduate school, or a career in chemistry: industrial or forensic laboratory, basic or applied research laboratory, as well as teaching for those who complete the prescribed certification program. Students interested in patent law or medicine will find a chemistry major one of the best possible preparations in achieving their goals.

Classes are small, innovative and well supervised. Research is encouraged early in a student's training at Newton. A pre-medical advisory committee provides counsel to students on fulfilling requirements for medical schools.

Interdisciplinary science courses have been, and are being, developed to provide all students with a broad, intellectual context for their more specialized study. These courses will be taken in the student's first and second year, but are open to upper division students. Courses for the non-major stress the problems that science and technology can both create and help solve for society. As active citizens in their own communities, as professional women, as wives and mothers, all students will soon have to face and vote on such issues as population control, child rearing, drug abuse and use, pollution, violent behavior, and poverty. Rhetoric and emotion are no substitute for scientific knowledge in these matters. Newton is very much concerned with making every one of its students scientifically literate.

LABORATORY FEES

Fees are charged for laboratory courses as specified in the course schedule. Laboratory fees apply to all persons enrolled in the designated courses.

Liberal Education courses offered in the division are:

LE 101, 102 Scientific Basis of Social Issues 1, 1 (unit)

LE 103, 104 Scientific Concepts for the Responsible Citizen ½, ½ (unit)

LE 105 Science and Public Policy ½ (unit)

LE 106 Science and the Law ½ (unit)

LE 107 Science and the Consumer ½ (unit)

LE 108 The Marine World 1 (unit)

LE 112 A Study of Reproduction 1 (unit)

LE 113 Foundations of Physics and Chemistry I
1 (unit)

LE 114 Foundations of Physics and Chemistry II
1 (unit)

COURSE DESCRIPTION

LE 101, 102 Scientific Basis of Social Issues 1, 1 (unit)
Development of a core of basic biological concepts and a study of their application to current social problems. Lecture, discussion, laboratory and field work in local communities. Course taught on a Pass/Fail basis. Offered 1973-74.

LE 103, 104 Scientific Concepts for the Responsible Citizen ½, ½ (unit)
A course for students desirous of studying how the ideas of science affect their daily lives and relate to the future of man. Particular emphasis will be placed on a study of human reproduction, human development, heredity and ecology. Two one-hour lectures, demonstrations and discussion.

LE 105 Science and Public Policy ½ (unit)
The role of scientists as advisers to the government. The role of the government in support of science. Lectures, discussions. Offered 1973-74.

LE 106 Science and the Law ½ (unit)
The protection of scientific discoveries, their patenting. How patents are issued, their exploitation. The role of science in law enforcement. Offered 1973-74.

LE 107 Science and the Consumer 1 (unit)
A study of the basic concepts of food, nutrition and synthetic fibers as they relate to the consumer today.

LE 108 The Marine World 1 (unit)
The Marine World will be concerned with how the sea affects the generality of mankind and the experience of individuals in association with the sea. Offered 1973-74.

LE 112 A Study of Reproduction 1 (unit)
An interdisciplinary program concerned with the biological, sociological and psychological aspects of reproduction. The overall objective is to develop a thorough understanding of the reproductive biology of man through a review of some of the discoveries in technology and how such knowledge might affect the future of man.

There will be lectures, discussions, student seminars and laboratories. An independent research project may be pursued in lieu of laboratories.

LE 113 Foundations of Physics and Chemistry I 1 (unit)
This course is an experimental investigation of the properties of matter, methods of separating substances and laws of compound formation leading to the development of an atomic model. Experimental data acquired by the students are interpreted in class discussion. Throughout the course critical thinking and an understanding of the limitations of science are emphasized. This course is offered to freshmen students as a basis for further study in science and as a foundation for scientific literacy for students whose principal interest is in other areas.

LE 114 Foundations of Physics and Chemistry II 1 (unit)
A continuation of LE 113 to include electric charge and its relation to an extension of the atomic model; and energy in its various forms, culminating in the law of conservation of energy. Prerequisite: LE 113.

SCIENCE SERVICE COURSES

Phy 201, 202 Basic Concepts in Physics 1 (unit)
Selected topics in classical and quantum physics. The selected topics in classical physics include force, energy, motion, wave motion, heat, electricity, magnetism and light. The selected topics in quantum physics include quanta, the atom and the nucleus. Three lectures and one two-hour laboratory period per week. This course may be counted toward fulfilling the science requirement in biology and chemistry.

Sci 201, 202 Applied Calculus and Statistics in Science
½, ½ (unit)
The course starts with some elementary ideas and skills in

mathematics applied to data collected from scientific research. The ideas and skills will serve as a basis for the study of calculus as a tool for the present day scientist.

BIOLOGY

REQUIREMENTS FOR MAJORS

The required Biology core program consists of Bio 201-202, Bio 203-204, Bio 301-302, Bio 303, Bio 305, Bio 404, Bio 409-410. At least one elective course must be taken from any of the biology offerings. Required related courses for majors: Chem 201-202, Chem 305-306 and Physics 101-102. It is strongly recommended that those students planning to go to medical or graduate school in science take a year of calculus (Sci 201-202). Majors are required to complete a minimum of 24 upper-division credits with a grade of C or better beyond the Bio 201-202 level.

REQUIREMENTS FOR MINORS

Bio 201, 202 Cell to Organism

Bio 301, 302 Comparative Vertebrate Morphogenesis

Bio 303 General Genetics

Bio 404 Biochemistry and Cellular Physiology

TENTATIVE SCHEDULE FOR BIOLOGY MAJORS

	<i>First Semester</i>	<i>Second Semester</i>
Freshman Year	Bio 201 Bio 203 Chem 101 Sci 201	Bio 202 Bio 204 Chem 102 Sci 202
Sophomore Year	Bio 301 Chem 205 Phys 101	Bio 302 Chem 206 Phys 102
Junior Year	Bio 303 Bio 305	Bio 404 Bio (elective)
Senior Year	Bio 409	Bio 410

Majors are to consult with the Director of Science for assignment to a permanent major adviser.

PRE-MEDICAL STUDIES

A pre-medical student should make out her program in her

Freshman year with the advice of the Director of Science, and in accordance with the entrance requirements of the medical school to which she intends to apply.

COURSE DESCRIPTION

Bio 201-202 Cell to Organism 1-1 (unit)

Study of the patterns of organization through which molecules, organelles, cells and tissues give organisms their basic properties. *Fall semester:* cell biology integrated with the elements of biochemistry and cell physiology. *Spring semester:* principles of developmental biology, whereby the information from genetic material is translated into form and function during the individual life spans of plants and animals. Lectures and discussion.

Bio 203-204 Basic Laboratory Investigations— Cell to Organism 1½-1½ (unit)

Bio 301-302 Comparative Vertebrate Morphogenesis 4-4 (credit)

A comparative morphological and embryological study of the vertebrates. Evolutionary changes in vertebrate structure from the protochordates through representative members of all the vertebrate classes will be studied. Emphasis will be placed on understanding the underlying principles behind these morphogenetic events. Two lectures and two 3-hour laboratories.

Bio 303 General Genetics 3 (credit)

The principles of genetics and their relation to fundamental biological problems. Discussion of the molecular basis of heredity, the nature, transmission and action of higher plants, animals and microorganisms. Two lectures and one 2-hour laboratory.

Bio 304 Topics in Advanced Genetics 3 (credit)

This course is designed for advanced students who have taken Bio 303 and who wish to deepen their knowledge in some of the problems of genetic research today. Each student will pursue an independent study of a topic of her choice. She will then submit a complete bibliography of the subject and present a paper for discussion by the whole class.

Bio 305 Histology 4 (credit)

The microscopic anatomy of tissues as related to function. This will include classical methods of study as well as modern research techniques. Three lectures and one 2-hour laboratory.

Bio 306 Advanced Histological Technique 4 (credit)

A laboratory-oriented course. Includes techniques used in investigation of problems in cell biology, photomicrography, tissue culture, phase contrast microscopy, cyrobiology, histochemical enzyme studies, exfoliative cytology and autoradiography.

Bio 307 Experimental Biology 4 (credit)

A laboratory oriented course concerned with selected basic methods, techniques and instruments used in experimental biology.

Bio 404 Biochemistry and Cellular Physiology 4 (credit)

A biochemical and biophysical approach to the cell as the biological common denominator. Includes cell physiology of both plants and animals.

Bio 406 Vertebrate Physiology 1 (unit)

A systematic approach to functions of organs and organ systems in the vertebrates with special emphasis on regulatory mechanism and reproductive physiology. Offered 1973-74.

Bio 408 Endocrinology 3 (credit)

A review of the general and comparative aspects of endocrinology.

Bio 409-410 Senior Research 3-3 (credit)

All students will present a senior paper on their research supervised by the staff. Seniors should consult with a faculty member concerning their thesis and submit an outline of the thesis to the department for approval by the third Thursday in October. The outline should state the objective and how that objective will be accomplished. The outline should be signed by the faculty adviser. The department will review the outline and recommend appropriate action.

Bio 411-412 Principles of Ecology 4-4 (credit)

An examination of the interactions of organisms with their biological, chemical and physical environments. The development of theoretical concepts of community structure and their biological implications will be emphasized. Independent study of ecological problems in the Boston area will be required.

Bio 497, 498 Independent Study 0-3, 0-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor directing the study and as approved by a representative of the

Dean's office. The student must carry through the project as outlined.

Bio 499 Senior Project 1-3, 1-3 (credit)

In place of a comprehensive examination and a senior essay, there will be henceforth a single requirement—the senior project. The student is expected to initiate her own project which may take the form of an extended study of some one topic or participation and seminar—consult with division chairman for fuller detail.

CHEMISTRY

REQUIREMENTS FOR MAJORS

	<i>First Semester</i>	<i>Second Semester</i>
Freshman Year	Sci 201 Physics 201 Chem 201	Sci 202 Physics 202 Chem 202
Sophomore Year	Math 201 Chem 301	Math 202 Chem 302
Junior Year	Chem 303 Chem 305 Math 303	Chem 304 Chem 306
Senior Year	Chem 401 Chem 497	Chem 402 Chem 498 (Senior Project)

The senior year class work represents the senior comprehensive synthesis. It offers flexibility through choice of topics.

A grade of C or better is required for courses 301 and above.

REQUIREMENTS FOR MINORS

Chem 201, 202	Introductory Inorganic and Physical Chemistry 1, 1 (unit)
Chem 301	Physical Methods of Analysis 4 (credit)
Chem 305	Physical Organic Chemistry 4 (credit)

COURSE DESCRIPTIONS

Chem 201	Introductory Inorganic and Physical Chemistry 1 (unit)
Fundamental laws of chemistry; properties of solids, liquids	

and gases; atomic and molecular structure, with application to inorganic compounds. Three 1-hour lectures and one 3-hour laboratory.

Chem 202 Introductory Physical and Inorganic Chemistry
Introduction to kinetics, thermodynamics, electrochemistry. A detailed treatment of equilibria in aqueous solution, with applications to quantitative volumetric, gravimetric and spectrophotometric analysis. Three 1-hour lectures and one 3-hour laboratory.

Chem 301 Physical Methods of Analysis 4 (credit)
Theory and techniques of chromatographic, spectrophotometric, electrochemical and other methods of analysis, and their application to a problem selected by the student. Some possible topics for investigation are: analysis of common drugs; analysis of preservatives, dyes and other additives in foods; analysis of a city's water supply. Two 1-hour lectures and one 4-hour laboratory.

Prerequisite: Chem 201, 202 or permission of the instructor.

Chem 302 Introduction to Quantum and Radiochemistry 4 (credit)
Introduction to the fundamentals of quantum chemistry. Properties and reactions of the nucleus; the measurement of radiation and the effects of radiation on both organic and inorganic substances. Three 1-hour lectures.

Prerequisite: Chem 201, 202 or permission of the instructor.

Chem 303 Thermodynamics 4 (credit)
A study of the various thermodynamical functions with problem sessions on chemical applications of thermodynamics.
Prerequisite: a strong background in fundamentals of physics and calculus through double integrals and differentiation.

Chem 304 Kinetics, Equilibrium and Electrochemistry 4 (credit)
A study of the rates of reactions, equilibrium and electrochemical laws with their applications to other fields of chemistry.

Prerequisites: a good background in electricity, calculus, and vector analysis. Statistical knowledge would be helpful.

Chem 305 Physical Organic Chemistry 4 (credit)
A study of the different types of bond between Carbon atoms and how they influence the reactivity of organic compounds

such as the hydro-carbons. The problem of resonance, bond energy and their determination by physical methods. Lectures only.

Chem 306 Physical Organic Chemistry and Qualitative Analysis 4 (credit)
A study of the various functional groups with study of their chemical properties in the laboratory and their applications to qualitative Organic Analysis. Lectures and laboratory.
Prerequisite: Chemistry 305.

Chem 401 Structure and Mechanisms of Reactions in Organic Chemistry 4 (credit)
A seminar presentation required of senior chemistry majors, accompanied by a laboratory where the study of these mechanisms will be applied to the solving of problems in synthetic chemistry. The students will be expected to research the literature in the design of their experiments.

Chem 402 Structure and Reaction in Inorganic Chemistry 4 (credit)
Structures and reactions of inorganic compounds; their bases from theory and experiment. Ionic and metallic lattices, coordination compounds, inert gas compounds. Three 1-hour lectures.

Chem 403, 404 Senior Research 4, 4 (credit)
A project of an independent nature to be carried for at least a period of one semester. With approval of the instructor, chemistry majors or non-majors may decide to carry an independent study (tutorial course or field work).

Chem 497, 498 Independent Study 4, 4 (credit)
The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor directing the study and as approved by a representative of the Dean's office. The student must carry through the project as outlined.

Mathematics

The mathematics courses offer the student opportunities for degrees of mathematical development varying from the mathematical literacy for adequate participation in

the day to day life of our present society to the ability to make contributions to the field of mathematics. A special feature of the mathematical work which will be going on is the study and use of computers at both an elementary and advanced level. Also considerable stress will be placed on presenting certain aspects of mathematics (for example, calculus, statistics and computers) in such a way as to show how they relate to the real world. This will be particularly aided by close cooperation with the departments in the Biological and Behavioral sciences.

REQUIREMENTS FOR MINORS

Nine credits in semester courses at the upper-division level or their equivalent.

REQUIREMENTS FOR STUDENTS COMPLETING DEGREE WORK

Math 301, 303, 304, 307 plus 15 credits in semester courses at the upper-division level (courses numbered above 300).

Students interested in Computer Science are advised to consider Math 101, 102, Math 306, Math 308 and Math 309.

Any course listed below is open to any qualified student.

Math 101, 102 Introduction to Computing ½, ½ (unit)

This is a standard first course in computing which covers the task of acquainting the student with the basic characteristics and properties of computers and which also includes problem solving by computer.

Math 201-202 Calculus for Scientists ½-½ (unit)

This course builds on what the students have learned in introductory calculus and deals with the practical problems arising in the biological and physical sciences, as well as mathematics.

Math 301 Algebra 2 (credit)

Elementary theory of Groups, Rings and Fields.

Math 303 Advanced Calculus 2 (credit)

Elementary point-set topology and functions of several variables.

Math 304 Applications of Algebra in Analysis 2 (credit)

A study showing the uses in Analysis of main ideas in Algebra.

Math 305 Mathematical Statistics 2 (credit)

A course which covers the main ideas and problems in statistics.

Math 306 Selected Topics in Mathematics 4 (credit)

The content of this course will depend on the interests of the students and will be based on the first semester's work. For example, a more detailed study of mathematical statistics may be appropriate.

Math 307 Linear Algebra 1 (unit)

A study of vector spaces, linear transformations, matrices, systems of linear equations, operators on Euclidean spaces and applications to linear differential equations. Offered 1973-74.

Math 308 Numerical-Computation and Problem Solving 4 (credit)

This computer course will include the following topics: the solution of linear and non-linear systems of equations, interpolation, approximation and linear programming.

Math 309 Mathematical Models and Computing 2 (credit)

This course will introduce students to a wide variety of different applications of mathematics and computers. This is to be accomplished by constructing models for several practical problems from various disciplines.

Math 497, 498 Independent Study in Mathematics 1-3, 1-3 (credit)

Independent programs of reading and research in an area of the student's choice. Open only to juniors and seniors. The following options, among others, will be available:

Introduction to Number Theory

Elementary Geometry from an Advance Standpoint

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office. The student must carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit. Only one Independent Study course should be carried in any one semester.

**Division of
Social Sciences and Religion**

The Division of Social Science and Religion includes the departments of Economics, Political Science, Psychology, Religion and Sociology. Majors and minors are offered in each of the disciplines.

Liberal Education courses offered in the Division are:

- LE 161, 162 Principles of Economics 1, 1 (unit)**
- LE 163 Psychology as a Study of Man 1 (unit)**
- LE 165 Sociology I 1 (unit)**
- LE 166 Sociology II 1 (unit)**
- LE 171 Man and Woman: Biblical Perspectives on Role and Relationship 1 (unit)**
- LE 172 God, Man and Nature 1 (unit)**
- LE 175-176 Dissent and Politics of Change 1-1 (unit)**
- LE 177-178 Comparative Politics 1-1 (unit)**
- LE 179-180 Politics and Policies of American Government 1-1 (unit)**

Economics

The study of Economics is a relevant and essential tool for the student of world affairs as it is the examination of the interaction and cooperation between individuals and groups. The subject matter deals with the scarcity of resources and their allocation to satisfy human need. Central to the solving of contemporary problems is an understanding, in economic terms, of unemployment, inflation, urban renewal, poverty, rent control, the cost of pollution and the population explosion.

As a scholarly discipline, Economics is not quite two centuries old; however, since its founding, man has so enormously increased his capacity to provide goods and services that he has, in doing so, altered the fabric of society. In the vast industrial complex which has resulted, man must find ways to manage effectively what he has created.

Newton's Department of Economics assumes that the student must understand the nature and organization

of society and the bases of great economic issues before she can evaluate and attempt to solve current economic problems. The curriculum, therefore, consists of a core of basic economic theory from which logical analysis, based on principles, proceeds.

The student is motivated to question and reflect upon real world problems and to apply theory in the decision-making process. The department offers courses in theoretic and applied economics and encourages related study in the areas of sociology and political science.

ECONOMICS

REQUIREMENTS FOR MAJORS

The major in economics comprises a minimum of eleven (11) courses. In addition to the survey courses LE 161, 162 and Ec 207, a major consists of five (5) required courses Ec 301, 302, 306, 402 or 404, and 405, plus a minimum of three (3) courses in a student selected field of *concentration*.

REQUIREMENTS FOR MINORS

A minor in economics presents a minimum of five (5) courses. In addition to LE 161, 162 the minor is comprised of either Ec 301, or Ec 302 and two (2) department electives for a minimum of five (5) courses.

CONCENTRATIONS

- (A) Economic Theory
Ec 402 Advanced Micro-Theory Seminar,
Ec 404 Advanced Macro-Theory Seminar, Ec 472 Industrial Organization
- (B) International Trade and Economic Development:
Ec 365 Money and Banking, Ec 386 Economic Development, Ec 391 International Trade.
- (C) Urban Economics:
Ec 371 Labor Economics and Problems, Ec 376 Human Resource Development, Ec 462 Urban Economics, Urban Studies—Interdisciplinary.
- (D) Banking and Finance:
Ec 365 Money and Banking, Ec 466 Public Finance.
- (E) Interdisciplinary Studies:
Primarily for students in American Studies, History, Political Science. Ec 376 Human Resource Development, Ec

484 Economics of National Issues, Ec 496 Interdisciplinary Economics Seminar.

COURSE DESCRIPTIONS

LE 161 Principles of Economics I 1 (unit)

Micro-Economics the theory of the firm and market structure. Study of supply and demand, equilibrium prices under conditions of competition and monopoly.

LE 162 Principles of Economics II 1 (unit)

Macro-Economics the study of national income, employment and the price level. The utilization of monetary and fiscal policy for economic stabilization.

Ec 207 Introduction to Mathematical Economics 1 (unit)

A course designed to provide knowledge of the mathematical techniques used in modern economics. The topics will include integration and differentiation with applications in the theories of the firm and consumer behavior, macro-economic models.

Prerequisite: LE 161, 162.

Ec 253 Accounting Principles 3 (credit)

Organization and analysis of financial transactions, construction and interpretation of financial statements. 1973-74.

Ec 301 Micro-Economic Analysis 3 (credit)

Micro-Economics; price theory and distribution analysis.

Prerequisite: LE 161, 162.

Ec 302 Macro-Economic Analysis 3 (credit)

Classical Keynesian and Post-Keynesian aggregative analysis.

Prerequisite: LE 161, 162.

Ec 306 Statistics 3 (credit)

A first course in statistical methods as applied to economics. Topics include: descriptive statistics, time series analysis, index numbers, correlation and an introduction to regression analysis.

Prerequisite: LE 161, 162.

Ec 365 Money and Banking 3 (credit)

A study of the history of banking. Analysis of deposit creation and central banking with application to objectives and effectiveness of modern monetary policy.

Prerequisite: LE 161, 162.

Ec 371 Labor Economics and Problems 3 (credit)

Theory of wages and employment. The study of institutional

factors affecting wage determination, income distribution and the efficient use of labor resources; the development of trade unionism and collective bargaining.

Prerequisite: LE 161, 162.

Ec 376 Human Resource Development 1 (unit)

An economic analysis of the role of human capital in the American economy viewing all levels of education as an investment. Critically analyzes manpower policy in the United States with specific reference to current problems and minority groups. Offered 1973-74.

Prerequisite: LE 161, 162.

Ec 386 Economic Development 1 (unit)

Theoretical examination of structural changes associated with the process of economic development: special reference to poor countries and analysis of criteria for policy judgments in development planning. Prerequisite: LE 161, 162. Offered 1973-74.

Ec 391 International Economics 3 (credit)

Fundamentals of international trade, international monetary system and selected topics involving international liquidity and adjustment mechanism.

Prerequisite: LE 161, 162.

Ec 402 Advanced Micro-Theory Seminar 1 (unit)

Reading and analysis of selected topics in contemporary developments in the theory of the firm. Offered 1973-74.

Prerequisite: Ec 302.

Ec 404 Advanced Macro-Theory Seminar 3 (credit)

Reading and analysis of selected topics in contemporary economic analysis.

Prerequisite: Ec 301.

Ec 405 History of Economic Thought 3 (credit)

Traces development of economic theory from the classical to the modern period. Attention is given to historical economics, institutional economics, national income economics and the American economic school. Enrollment limited to seniors.

Ec 456 Corporate Finance 3 (credit)

Introduction to financial management of modern business. Analysis of financial statements, capital budgeting and other management evaluation principles.

Prerequisite: LE 161, 162.

Ec 462 Urban Economics: Principles and Problems

3 (credit)

Examination of the urban complex, its origins, problems and future. Emphasis on such topics as housing, discrimination, transportation and decline of the central city.

Prerequisite: LE 161, 162.

Ec 466 Public Finance 1 (unit)

Taxation at federal, state and municipal level from equity and efficiency standpoints. Offered 1973-74.

Prerequisite: LE 161, 162.

Ec 474 Industrial Organization 3 (credit)

Economic analysis of American industry in terms of market structure, conduct and performance. Topics included are business organization, concentration, barriers to entry, price and product policies, profits and efficiency.

Prerequisite: Ec 301.

Ec 484 Economics of National Issues 1 (unit)

Study of contemporary economic problems and potential solutions—Income Maintenance Plans, Nixon's New Economic Policy, Economics of Pollution. Offered 1973-74.

Prerequisite: LE 161, 162.

Ec 496 Interdisciplinary Seminar in Economics 3 (credit)

The direction and specific content of the seminar will be a function of the various disciplines and interests of the participants.

Prerequisite: LE 161, 162.

Ec 497, 498 Independent Study in Economics

1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit. Only one Independent Study course should be carried in any one semester.

Ec 499 Senior Project 0-3 (credit)

Usually completed in Senior year.

Psychology

The Psychology Department, while fundamentally humanistic in approach, emphasizes sound methodological training. It is so set up that the student may learn the theoretical foundations of modern psychology as well as applications to the individual and to society. There are four main areas of concentration: personality and social psychology; experimental psychology; developmental psychology; and humanistic psychology. A student may choose to concentrate in one of the four areas or develop her own program of concentration in consultation with the chairman. Much of the course work involves research, independent study and direct experience in the field so that the student may be well prepared for graduate study or professional careers.

The department has for some time offered programs in cooperation with neighboring hospitals and guidance clinics, where the student may improve her own training by observing psychology in practice. Recently, interdepartmental programs of study have been initiated, and at the moment curricular exchange with other colleges is being extended.

The teaching faculty represent varying schools of thought in contemporary psychology, and specialize in different branches, some stressing the biological aspect, some the social; some following a behavioral, some a phenomenological approach. This allows the major student who plans her whole program carefully to have an integrated view of the field and a wide understanding of its possibilities. Courses are numbered to indicate level of content and area of concentration.

The areas of concentration are numbered in this way:

- 40-50 Developmental, with an emphasis on child development.
- 50-70 Social and Personality, emphasizing the influence of society and groups on each person.
- 60 Experimental, emphasizing research on animals and statistical research.

- 80 Humanistic, exploring those strictly human aspects of man such as creativity, religious and moral development.

REQUIREMENTS FOR MAJORS

- Prerequisites: (1) PG 161 or 162 (Mathematics for Behavioral Sciences)
(2) PG 171 or 172 (Human Physiology)
(3) PG 226

Required Courses: PG 227, PG 355, PG 333-334, and at least five other courses above PG 300. Courses in the major must be completed with a minimum grade of C.

A senior project, PG 499, is always required.

REQUIREMENTS FOR MINORS

Prerequisites PG 203 or PG 226 and four other courses above PG 230 in the area of concentration chosen by the students under the direction of one or more members of the department. Two courses at least should be over PG 300. Courses in the minor must be completed with a minimum grade of C.

CONCENTRATIONS

The Psychology Department presents four areas of concentration. All areas have as prerequisites the courses listed (PG 226, PG 227, PG 333-334, PG 335).

I. Personality and Social Psychology

PG 371-372 Social Psychology; PG 378 Culture and Personality; PG 374 Group Dynamics; PG 471-472 Field Research in Community Psychology—Industrial Psychology; PG 275 Human Ecology; electives in sociology and political science.

II. Experimental and Statistical Research

PG 333-334 Experimental Psychology; PG 468 Tutorial or Advanced Statistics; PG 368 Physiological Psychology; PG 466 Comparative Psychology; electives in mathematics and/or biology.

III. Child and Developmental Psychology

PG 245, 246 Child Development; PG 248 Psychology of Adolescence and Adulthood; PG 341 Theories of Learning and Cognitive Growth; PG 446 Learning Problems of Children; PG 342 Mental Retardation; PG 442 Mother-Child Interaction; electives in Education Program.

IV. Humanistic Psychology

PG 381 Humanistic Psychology; PG 484 Psychology of

Women; PG 482 Theories of Self in Psychology and Philosophy; PG 248 Psychology of Adolescence and Adulthood; PG 378 Culture and Personality; electives in Philosophy and Literature.

LE 163 Psychology as a Study of Man 1 (unit)

An exploration of the way man has reflected upon and examined himself in psychology. The student will study particularly the way psychology has explored the conscious and unconscious aspects of man particularly as this study arose out of writings in philosophical psychology.

PG 161, 162 Mathematics for the Psychologist 1, 1 (unit)

An introduction to the mathematical tools essential to the present day psychologist. The elementary ideas involved in using graphs, probability theory, computers, etc. are presented in such a way as to show how they are related to the field of psychology.

PG 171, 172 Human Physiology 1, 1 (unit)

A study of all the systems of man including both gross and microscopic anatomy.

PG 203 General Psychology 1 (unit)

A beginning course in psychology for non-psychology majors. Emphasis will be placed on the chief problems of psychology and their practical applications.

PG 226 Introduction to Psychology 1 (unit)

A study of the chief problems of psychology and an introduction to methods of research. For majors only.

PG 227 Statistics 1 (unit)

An introduction to statistical terms and concepts, measures of central tendency, variability and relationship; theory of sampling; reliability of statistical measures; regression and prediction. Not open to freshmen.

No late registrants will be accepted in this course.

PG 245, 246 Child Development 1, 1 (unit)

Introduction to human development from conception through late childhood. Physical, intellectual, social and personality development will be studied with attention to relevant genetic and environmental factors.

PG 248 Psychology of Adolescence and Adulthood 1(unit)

Study of the emotional, moral, intellectual and social problems

of each age from childhood through old age in the light of various theories of human development, especially those of Erikson, Piaget, Allport.

Not open to freshmen or sophomore non-majors.

PG 275 Human Ecology 1 (unit)

An inquiry into some contemporary problems facing mankind. Intended to increase the student's awareness of man's impact on the environment, this course explores the problems of overpopulation, environmental pollution, and resource depletion with an emphasis on the cultural, psychological, and ethical issues involved.

PG 333-334 Experimental Psychology 3-3 (credit)

Basic concepts and development of experimental psychology. Introduction to experimental methods and writing research reports. Laboratory experiments in sensorimotor reactions, reaction time, association and learning processes, work and fatigue curve, emotional reactions and social behavior.

PG 341 Psychology of Religious and Moral Development 1 (unit)

A study of the interrelationship of moral and religious values as these affect the development of personality. An attempt will be made to distinguish and assess the contributions (1) of religious ethics and (2) of moral and developmental psychology to the study of morality. Offered 1973-74.

PG 351 Abnormal Psychology 3 (credit)

An introduction to psychopathology. In addition to formal diagnostic categories, illustrated with case histories, this course explores theories and empirical data relevant to the understanding and treatment of maladaptive behavior.

Prerequisite: PG 355.

PG 355 Theories of Personality 3 (credit)

A consideration of major personality theories. Attention is given to their utility in understanding normal personality.

PG 357 Psychological Assessment 3 (credit)

An inquiry into the nature and problems of psychological assessment. Several major objective and projective tests will be examined and evaluated with respect to reliability, validity, standardization and practical applications. Limited to 15 students.

Prerequisite: PG 227 and PG 355.

PG 364 Theories of Learning and Cognitive Growth 3 (credit)

A study of theoretical and empirical bases for understanding the learning process and exploration of the development of the cognitive process.

PG 365 History of Psychology 3 (credit)

A study of the development of psychology from its origins in philosophy, the biological sciences and sociology to its present forms. Emphasis on main problems, solved and yet unsolved, which have characterized the discipline. This will be done by directed study. It is a reading course.

PG 368 Physiological Psychology 3 (credit)

A survey of the effect of the systems of the body on the personality with major emphasis on the nervous system. This course presupposes a knowledge of human anatomy.

PG 371-372 Social Psychology 3-3 (credit)

The study of normal human behavior in terms of interaction with other individuals, in small groups and in larger organizations. Consideration of major theories in the field of social psychology. Students will participate in social psychological research.

PG 374 Group Dynamics 3 (credit)

Overview of the theory and research on major aspects of small group functioning, e.g., leadership, communication, performance. The emphasis in the course will be on reports from the psychological literature, but students may participate in one of more group experiences as additional sources of understanding group process.

Prerequisite: PG 371 or approval of the instructor.

PG 376 Industrial Psychology 3 (credit)

Emphasis will be placed on the theoretical and social foundations of industrial psychology. Topic areas considered will include: decision making; organizational behavior; human relations and management problems; principles of human performance.

PG 378 Culture and Personality 3 (credit)

The relationship between personality and the cultural context in which the personality patterns develop. Consideration of major theories of personality in the light of cultural differences. Major emphasis will be placed on minority groups and subcultures within American culture.

Prerequisite: PG 355 or approval of the instructor.

PG 381 Humanistic Psychology 3 (credit)

Readings and discussion of the chief works of Freud, Jung, Fromm and the humanistic psychologists such as Maslow, May, Rogers, and Laing. These readings emphasize the theories of religion, creativity, symbolism and society.

PG 446 Learning and Emotional Problems of Childhood 3 (credit)

Diagnosis, prognosis, treatment, and prevention of disorders in childhood, ranging from mild behavior problems to psychosis. Emphasis will be placed on biological and psychological theories and research.

Prerequisite: PG 245 or 246; PG 351.

PG 447 Mother-Infant Interaction 3 (credit)

This course focuses on research relevant to mother-infant interaction, particularly as it varies from one subculture to another. It is designed for students intending to do graduate work or a senior project in the developmental, personality, or social areas.

Prerequisite: Consent of the instructors.

PG 453-454 Field Work in Psychology 6 (credit)

A year long course of field work in mental health settings. Lectures and discussions will emphasize the role of the psychologist, the place of mental health services in a community structure, and evaluation of effectiveness of service. Students *must* enroll for both semesters. No credit will be given for one semester.

PG 466 Comparative Psychology 3 (credit)

An introductory laboratory course in animal behavior offered together with the department of biology. Major topics will include: the interaction between biological and sensory capacities; the overt behavioral patterns of organisms in perception, learning and social processes; and the differences between human and animal behavior.

PG 468 Tutorial in Advanced Statistics 3 (credit)

The students will get acquainted with more advanced statistical techniques, such as analysis of variance and cluster analysis, and apply them.

Prerequisite: PG 227.

PG 471-472 Field Research in Social and Community Psychology 3-3 (credit)

Advanced students will be accepted for independent study

projects in any one of the major areas of social psychology, such as attitude changes, cognitive theory, motivation, survey research, etc.

A limited number of advanced students will be accepted for independent study projects in areas of community psychology, such as the role of the psychologist, new concepts in the delivery of mental health services, evaluation of community mental health. Students are urged to participate in these projects as teams of two.

One or two semesters upon consultation with the instructor.

PG 482 Theories of Self in Philosophy and Psychology

3 (credit)

An inquiry into the development of the idea of the self as seen by philosophers and psychologists from Descartes to the present day.

Prerequisite: PG 355 or permission of the instructor.

PG 484 Psychology of Women 1 (unit)

Students do independent research on psychological aspects of women in relation to contemporary society. Limited to 15 students. Permission of the instructor. Offered 1973-74.

PG 497, 498 Independent Study in Psychology

1-3, 1-3 (credit)

Selected upperclassmen will be allowed to do research on projects under qualified psychologists in the Boston area. The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit. Only one Independent Study course should be carried in any one semester.

PG 499 Senior Project 3 (credit)

Presentation of research done on one problem in psychology to the Department for evaluation. Project may be completed in either the Fall or Spring semester.

Political Science

The objective of the department is to aid the students in gaining an understanding of human political commu-

nities and to prepare them in becoming informed and responsible participants in the life of such communities. Political science at Newton prepares students for the practice of politics while emphasizing the fact that one can practice politics more effectively if one understands its theory. Moreover, on the contemporary scene, it is essential to understand politics on the international as well as the national level. Courses are available in political thought, political theory and political sociology; in international relations; in international law and organization; in American and foreign political systems. Students are exposed to diversified approaches ranging from the philosophical and historical to the legal, comparative and empirical.

The program is sufficiently flexible to provide general training in the discipline and more specialized training in the fields in which the student has a particular interest. Although majors will find themselves ready to enter schools of graduate or professional study in political science, it is also possible for non-majors to equip themselves for active work in government service, for staff work in political campaigns, for foreign service, and—most important of all—for an intelligent contribution as citizens to decision-making in the contemporary political process.

REQUIREMENTS FOR MAJORS

Majors must receive a grade of C or higher in both semesters of the pre-major course PS 251-252 *Patterns of Political Thought* as well as in at least 10 semesters of upper-division courses in political science. These must include PS 345-346 *International Relations* and at least 2 semesters in each of the following areas: American (A); International (B); Political Thought and Theory (C). The required semesters in each area must be selected from the courses labeled either (A), (B) or (C).

Majors should also submit an acceptable senior project.

Close consultation with the chairman of the department is strongly urged for any student intending to pursue graduate study.

REQUIREMENTS FOR MINORS

The minimal requirements for a minor in political science consist of 6 semesters of upper-division courses in political science equally distributed among the 3 above-mentioned areas. Courses must be completed with a grade of C or higher.

PS 101 The Political Man 1 (unit)

An inquiry into the political dimensions, structure and viable alternatives in the contemporary world.

PS 102 Political Analysis 1 (unit)

A study of the science and art of political analysis as applied to the investigation of selected contemporary issues. The problems of testing of propositions against the data of experience by observation, classification and measurement.

LE 175-176 Dissent and Politics of Change 1-1 (unit)

The theme of dissent and social critique will be pursued through selected representative thinkers of the Western World with special focus on their impact upon socio-political and cultural reality. No prerequisites. Offered 1973-74.

LE 177-178 Comparative Politics 1-1 (unit)

A comparative analysis of political patterns and systems selected from the West European, Soviet and Asian areas; France, Great Britain, West Germany and the USSR; Japan, India and China. Major issues in the politics of the countries considered.

LE 179-180 Politics and Policies of American Government 1-1 (unit)

The actual operation, in its political and institutional setting, of federal, state and local government will be considered. Within the first semester, attention will be focused on the national campaign, the national election, parties, public opinion and pressure groups, the presidency, federal courts and civil rights. In the second semester, the following topics will be treated: powers of Congress, the states and their declining role, urbanization, local government, crime and court reform, judicial problems.

PS 251-252 Patterns of Political and Social Thought 1-1 (unit)

An exploration of the genesis of significant political ideas and thought patterns operative now and incorporated in the socio-political, intellectual and ideological structures and processes.

PS 273 The National Campaign and Political Parties 1 (unit)

The election campaign of 1972 will be used to illustrate, direct and analyze the operation of the party system in the American commonwealth. Specifically, attention will be focused on presidential primary convention, current campaign, major and minor parties, minority groups, the suffrage tactics, strategy and techniques of electioneering. Active participation in some approved phase of the campaign will be facilitated.

PS 302 Practical Politics: Nuts and Bolts 3 (credit) A

An intensive analysis of the numerous and often detailed problems of practical politics by examining the "why" and "how" of political action. Emphasis is placed on how one may become or support a successful candidate for elective office on the national, state or local level. Examined will be such subjects as getting started, campaign organization, finances, volunteers, research, publicity, media, polling, canvassing, election day procedures, etc. A research paper is required and personal involvement in a political campaign is encouraged.

PS 306 State and Local Government in the United States 3 (credit)

State constitutions, fiscal practice, taxation, budgeting, governorship, electoral laws, legislature, judiciaries; city, country and town administrations; the problem of metropolitan areas.

PS 307 Public Administration 1 (unit)

Basic concepts and organization principles of bureaucracy; the place of administration and the role of administrators in the American system of government; patronage and merit; career service and political executives; pressure groups. The process of social, economic and financial decision-making. Offered 1973-74.

PS 312 Urban Problems and the Modern State 3 (credit)

A series of studies on such topics as metropolitanism, urban renewal, minority group problems, urban fiscal crisis, federal-urban cooperation, municipal charter reform, legislative reapportionment, unicameralism, state constitutions and constitutional conventions, regional state consolidation, the courts and judicial reform, recall, judicial removal, civil rights of defendants. Directed readings and discussions; seminar reports; field trips. Admission with consent of instructor.

PS 315 The Modern Presidency 3 (credit) A

The American Presidency will be approached and analyzed

through a series of selected problems which include campaigns, primaries, elections, crises, political and constitutional leadership, strong and weak presidents, executive administration and reconstruction of the presidential office. Directed readings and discussions; seminar reports. Active participation in current campaign will be facilitated.

PS 321 American Political Thought 1 (unit) A

An examination of American political thought, considered historically, and its consequent responsibility for the dislocation and disequilibrium of the American political system. Offered 1973-74.

PS 324 Race Relations in America 1 (unit)

Analysis of the political, social, cultural and economic factors underlying contemporary race relations and an examination of the attempts to resolve racial problems. Offered 1973-74.

PS 325, 326 Urban Practicum 3, 3 (credit)

Involvement in an urban office or agency, governmental or private, to study in the broadest sense some aspect of an urban problem under the direction of the Archdiocesan Planning Office. One semester only. Enrollment in the course, type of work, hours and place, to be arranged with the instructor.

PS 327 Development of American Law 3 (credit) A

The development and role of American law in determining priorities. The interaction of economics, politics and law, considered historically, in ordering these priorities. Possibilities for change in American law.

PS 328 Civil Rights and Liberties 3 (credit)

The rise and decline under the American legal system of basic freedoms such as speech, assembly, religion, the vote, association, privacy. The attempt and failure to legislate loyalty and compel one to service in war.

PS 331-332 American Government 3-3 (credit) A

First semester devoted to the Federal system with attention directed to the Constitution, civil rights, the presidency, Congress and the federal judiciary. Second semester concerns the state and local areas with attention directed to the state constitutions, governorship, legislature; rural local government, the county and its traditional offices, state courts and municipal governments; the rising challenge of the metropolitan problems.

PS 333 American Political Parties 3 (credit) A

Role and functions of the party in American government; party composition and organization; process of nomination and policy formulation; regulation of party organization and activities.

PS 334 Political Behavior 3 (credit) C

Political personality and public opinion. Role of attitudes, interests and values. Voting behavior and elections. Group and organizational behavior. Mass society, elite and group theories, conceptual approaches and analytical techniques.

PS 335 Public Opinion 3 (credit)

The concept of public opinion, public opinion polling techniques and the influence of mass communication agencies and pressure groups.

PS 337 Law and Social Control 1 (unit)

Through case studies, the course will examine the methods by which the American legal system shapes the nation's social fabric. Offered 1973-74.

PS 338 Government in Urban Areas 3 (credit)

The responsibilities, authorities and activities of local government units will be considered within the context of problems raised by structure, powers and territorial definition. Particular attention will be devoted to the distribution of power between state and local authorities, metropolitan financing, real estate development, decentralization of city government and the role of federal grants. Contemporary problems will provide the materials and emphasis will be placed on the function of lawsuits as a means of directing governmental powers.

PS 341 Seminar in the United Nations 3 (credit)

A study of current issues before the main organs of the United Nations involving the preparation of draft resolutions for presentation to the National Model United Nations. Students will serve as delegates from a selected country to the NMUN.

The course is given throughout two semesters but credit is given only at the end of the second semester.

PS 345-346 International Relations 3-3 (credit)

An analysis of international relations in the contemporary environment with emphasis on the principal forms of conflict in the modern international system and approaches to conflict resolution.

PS 347 International Law 3 (credit) B

An examination of the nature and scope of international law, its uses in international politics and its development in a restless world.

PS 352 Political Development of International Communities 3 (credit) B

A study of community formulation in the international system with special attention given to the Western European Community, its relations with the world and its process of integration.

PS 356 Quantitative Analysis 3 (credit) C

Basic data analysis techniques, including measurement, descriptive statistics, data collection, quantitative models, graphical procedures, forecasting, regression and correlation analysis, analysis of variance, chi square and various indexes of relationships.

PS 358 Political Sociology 1 (unit) C

An inquiry into selected areas of political sociology; representative theorists; the physical and social frameworks of politics; sources of political antagonisms; political strategies; the process of political integration; public opinion and propaganda. Offered 1973-74.

PS 441 Phenomenology of Dissent 3 (credit) C

An inquiry into the historical and philosophical foundations of contemporary political activism: the Hegelian galaxy.

PS 442 Political Anthropology 3 (credit) C

Kant, Nietzsche, and Dostoevsky; their challenge to contemporary Christian commitment.

PS 443 Political Imagination 1 (unit) C

A comparative study of selected utopian and dystopian imagination. Offered 1973-74.

PS 444 Politics of Hope 1 (unit) C

Futurology and the search for viable alternatives to dehumanizing tendencies. Offered 1973-74.

PS 452 Political Theory Seminar 3 (credit) C

Theory and praxis in Marx-Engels and Lenin; freedom in T. H. Green and Christian Bay.

PS 453 Seminar in Religious Institutions and the Politics of Social Change: Suburban 1 (unit)

Directed field experience in which seminar participants will investigate how specific churches and synagogues respond to social issues. Participants will be asked to analyze the sociopolitical and religious profile of a particular church or synagogue and to assess the dynamics of response within that institution. Emphasis on the formulation of major questions and on the development of observation techniques by seminar participants themselves. Bi-weekly meetings. Offered 1973-74.

PS 455 Seminar in Religious Institutions and the Politics of Social Change: Urban 3 (credit)

Directed field experience in which seminar participants will investigate how specific religious institutions and/or groups (for example: the Metropolitan Ministries; the Planning Office for Urban Affairs of the Archdiocese of Boston; the East Boston Collaborative; etc.) respond to social issues in terms of programs initiated and implemented. Participants will be asked to analyze the structure, the goals and the dynamics of the particular institution and/or group in order to assess the effectiveness of its responses. Emphasis on the formulation of major questions and on the development of observation techniques by seminar participants themselves. Bi-weekly meetings.

PS 497, 498 Independent Study in Political Science 1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit.

PS 499 Senior Project 0-3 (credit)

Required of all political science majors.

Selected courses from other disciplines as indicated below may be applied toward a major or minor in Political Science:

His 375, 376 American Foreign Policy 3, 3 (credit) A

See History Section for description.

His 379 American Constitutional Development
3 (credit) A

See History Section for description.

Soc 351 Marxism-Leninism. The USSR and Its Satellites
3 (credit)

See Sociology section for description.

Soc 352 The People's Republic of China. Democratic Socialism. Facism. Theories, origins and practices 3 (credit)

See Sociology Section for description.

Religion

At Newton College the study of religion is approached as an academic endeavor and as an existential inquiry. As an integral part of a value-oriented college the Religion Department sees its role as helping students appreciate what it means to be a Christian in the modern world. Through courses in scripture, systematic theology, religious ethics and Eastern religions, students are encouraged to study in depth their own Christian heritage as well as to learn to appreciate the religious traditions of non-Christians.

Whether studying religion as a major or minor study or taking an occasional elective, the student will find her study a creative and exacting task—one which is relevant to our times and appropriately sophisticated for a modern educated woman.

REQUIREMENTS FOR MAJORS

With the advice of a professor in the department, each student should plan a program of at least ten courses (to be completed with a minimum grade of C) including at least four 300 level courses and at least four 400 level courses—one of which should be the Senior Seminar.

REQUIREMENTS FOR MINORS

With the advice of a professor in the department, each

student should plan a program of at least five courses (to be completed with a minimum grade of C) including at least two 300 level courses and at least two 400 level courses.

LE 171 Man and Woman: Biblical Perspectives on Role and Relationship 1 (unit)

What does it mean to be a man or a woman in the twentieth century? This question will be examined both from the perspective of current expectations and from the perspective of what it meant to be man and woman in the biblical tradition. Particular emphasis throughout on the role of the Judeo-Christian tradition in formulating present-day models of human sex roles.

LE 172 God, Man and Nature 1 (unit)

What is the nature of the created order and man's place within it? A consideration of this question from a biblical theological point of view followed by an assessment of modern man's use and misuse of his natural environment. Specific examples drawn from field trips, films, lectures, as a basis for discussion and reflection on man's relationship to the created order.

REL 145 The Religious Revolution 1 (unit)

An analysis of the current crisis in American culture—particularly insofar as it has roots in the Christian faith, as the source of revolution, rebellion, renewal and reform in Western civilization—together with a consideration of the consequences of this crisis for the Christian religion. The point of departure will be Jean-Francois Revel's *Without Marx or Jesus*. Offered 1973-74.

REL 151 Love and Violence 1 (unit)

A study of the practicability of non-violence, beginning with an analysis of the roots of contemporary violence, leading to a history of non-violence, continuing with an evaluation of the possibility of love as a life-style, and concluding with a consideration of non-violent tactics. Student assistants, guest lecturers and field trips will help to make the course as practical as possible. Offered 1973-74.

REL 162 Infallibility? The Question of Authority in the Church Today 1 (unit)

Beginning with the controversy over infallibility instigated by Han Kung's book on the subject, this will be a study of the

kinds of authority that have been exercised in the Church, particularly of the conflict between charismatic leadership and official positions, leading to an analysis of the definition of papal infallibility both in the context of Vatican I and in light of present conditions in the Church and in society at large.

REL 210 Biblical Archaeology and Biblical History 1 (unit)
History and methodology of Near Eastern excavations including a concentrated study of several archaeological sites. Analysis of the contributions of archaeological research to a more accurate understanding of the history and everyday life of the biblical period (Old and New Testament times) within the broader context of the history of the ancient Near Eastern and Mediterranean worlds. Offered 1973-74.

REL 211 Tutorial in Biblical Hebrew 1 (unit)
Introduction to basic vocabulary and grammar of Biblical Hebrew. Emphasis on learning to read simple sentences in the Hebrew Old Testament and on acquiring a facility in using the critical notes in the Hebrew text.

REL 221 Introduction to the Bible 1 (unit)
Survey of the Old and New Testaments including an introduction to modern presuppositions and methodologies of biblical study. Emphasis on the historical and theological development of the Israelites, the Jews and the early Christians as they struggled with the problems of God, man and the world. Consideration throughout on understanding the Bible as a source book for the Christian faith.

REL 231 The Religious Traditions of South and East Asia 1 (unit)
An historical introduction to the Hindu, Buddhist, Confucian, Taoist, and Shinto traditions, tracing the main lines of development in India, China, Japan, and Southeast Asia. Readings in important texts to illumine such "fundamentals" as *dharma* (law), *yoga* (discipline), *karma* (action), *tao* (way), and *kami* (god). Audiovisual materials used.

REL 233 The Buddhist Tradition 1 (unit)
A developmental study of twenty-five centuries of Buddhist growth, expansion and adaptation to the cultures of Asia. The diverse paths of discipline, devotion, meditation, and thought as evidenced in word and image in India, Southeast Asia, China and Japan. Offered 1973-74.

REL 237 History of Christian Thought 1 (unit)

REL 238 Modern Judaism 1 (unit)

An examination of the historical and theological process by which modern Judaism emerged including a study of Jewish festivals and present-day theological trends in Judaism. Some attention will be given to the theological bases for Jewish-Christian dialogue. Field experience in the Greater Boston area encouraged.

REL 261 Introduction to Christian Ethics 1 (unit)

An examination of the moral teachings of the churches and the writings of major ethicists of the Christian tradition. The course will evaluate the kind of guidance these sources offer and will examine the relative importance they attribute to the various ingredients of moral decision making, such as principles, laws, customs, conscience and the particular facts and consequences of a decision or action. The course will proceed with constant reference to contemporary moral issues.

REL 262 Jesus of History/Christ of Faith 1 (unit)

Beginning with "the new quest for the historical Jesus," a study of the development of belief in Jesus as Christ the Son of God, as it originated in the New Testament, became Romanized in Church councils and then analyzed in the writings of theologians, before being subjected to the radical critique of nineteenth-century historians. Particular attention will be paid to the question of Jesus' messianic consciousness and to the role of Christ in the history of religions.

REL 320 The Buddhist Dharma in the Contemporary World 3 (credit)

A two-fold examination of Buddhist presence in the modern world: in Asia, the changing roles of monastic community and laity amid the rise of nationalism, Western secular ideologies and goals of social progress; in the West, the significance of "export Buddhism" for Western thought, psychoanalysis, Christian theology and American subcultures.

REL 321 Old Testament Prophets and Modern Social Problems 1 (unit)

The prophets as a major influence in the historical and theological development of the people of Israel. The phenomenon of prophetism and its development will be studied in detail. Particular emphasis on the relevance of the prophetic ideal to the modern world including an attempt to define modern prophets. Offered 1973-74.

REL 322 Myths of Quest, Initiation and Transformation
1 (unit)

A structural inquiry into myths of heroic quest (e.g., the Bodhisattva, the Greek hero), initiatory rites of passage entailing death and rebirth (e.g., the Shaman), and the stages of "mystic" experience and enlightenment (e.g., the Christian mystic, the yogin). Consideration of the present as a time of passage. Emphasis on psychoanalytic insights. Offered 1973-74.

REL 323 Jesus in the Gospels 3 (credit)

How much can we know about Jesus from the gospels? How can the gospels be used as sources for Christian faith? Consideration of these two questions including an in-depth study of the teachings of Jesus as contained in the gospels with particular emphasis on their meaning for modern man.

REL 324 Mythology in the Bible and in the Literatures of the Ancient Near Eastern and Mediterranean Worlds 3 (credit)

Examination of various ancient mythic types: e.g., the creation, the flood, the fall, dying and rising deity, with an attempt to discern the function of myth in the religious life of a people. Analysis of the unique contributions of the Israelites and the early Christians to mythic literature.

REL 330 Pauline Theology 3 (credit)

An in-depth study of the letters of Paul with particular emphasis on Paul's contribution as a theologian to the on-going life of the early church. Consideration of major theological themes (e.g., Christ, the Church, Spirit, Christian Love) and of the historical and religious conditions which provided the context for the various responses of Paul. Offered 1973-74.

REL 331 Sectarian Judaism and Primitive Christianity
1 (unit)

Consideration of the religious and historical milieu in which the early Christian Church arose. Survey of the various sect groups within Judaism prior to the rise of Christianity (e.g., Essenes, Hellenistic Jews, Pharisees, Sadducees) followed by an in-depth study of the experience and problems of the early church as it moved out of the context of Judaism into the gentile world. Offered 1973-74.

REL 341 Origins and Development of Belief in God
3 (credit)

A study of the significance of belief in God as it emerges from

a consideration of ancient mythology, radical monotheism, Christian doctrine and theological analysis—with particular emphasis upon the relation between the nature of a belief and the notion of God it entails.

REL 352 Changing Moral Values 3 (credit)

A study of changing conceptions of what is moral and immoral in social practices and personal behavior. The course will analyze the relation of the "new morality" to traditional morality, and the relation of churches and religious faith to moral values, old and new. The course will focus on issues such as family structure, patterns of sexual behaviour, family planning, career choice, and the work ethic.

REL 353 Ethics and Foreign Policy 1 (unit)

An examination, from a Christian ethical perspective, of several international political issues. As important as analysis of the issues themselves will be reflection on the Christian viewpoint from which they are examined. Areas to be discussed include: war and national defense, United States policy toward third world nations, religion and ideology in international affairs. Offered 1973-74.

REL 354 Ethics and Social Institutions 1 (unit)

A study of the relevance of the Christian understanding of man and the world to social institutions and social change. The course will examine problems such as the use and distribution of wealth, health care and medical ethics, the shortcomings of public education, the quality of life in cities and suburbs. Offered 1973-74.

REL 361 The Church in Contemporary Society 3 (credit)

REL 371 The Creation of Future 1 (unit)

A study of Christian hope in light of various approaches to the future: prediction, perspective, process and prophecy. Offered 1973-74.

REL 372 Philosophical Theology 1 (unit)

An examination of "God-talk," with an evaluation of various approaches to systematic theology, including phenomenology, existentialism, process-thought and linguistic analysis. Offered 1973-74.

REL 401 Senior Honors Seminar 3 (credit)

Required of all Religion majors.

REL 441 Comparative Religious Ethics 1 (unit)

A study of the fundamental moral teaching of western and

eastern religions; a comparison of these with each other and with prevalent trends in non-religious moral thought, in an effort to determine the extent to which each is really distinctive. Offered 1973-74.

REL 451 Religion, Ethics and Politics in America
3 (credit)

This course will evaluate the actual and potential roles of religion and ethics in American politics. It will be especially concerned with topics such as the separation between church and state, morally-based political protest, the role of ethics in the formulation of public policy, ethics and public office, moral goals and the democratic process.

REL 452 Suffering and Dying 3 (credit)

A consideration of human existence in the concrete: fraught with sickness, pain, failure, aging and death. Particular attention will be paid to the crises of alienation, anomie and anxiety. And the question will be asked, whether religion is merely an illusion to sustain man in the face of ultimate nothingness.

REL 453 A Philosophy of Religion 3 (credit)

A determination of the significance of a religious perspective on life, with attention to the questions of revelation, prophecy, inspiration and tradition, and a consideration of the meaning of prayer and mysticism.

REL 454 Seminar: Contemporary Biblical Issues
3 (credit)

A consideration of various problem areas in present-day biblical studies. The major theme will be the problem of biblical interpretation (hermeneutics) for the modern age with particular focus on the biblical understanding of hope and the future. Opportunity for individual research projects based on the student's particular interests.

REL 455 Seminar in Religious Institutions and the Politics of Social Change: Urban 3 (credit)

Directed field experience in which seminar participants will investigate how specific religious institutions and/or groups (e.g.: the Anti-Defamation League, Massachusetts Council of Churches, Cooperative Metropolitan Ministries, the Planning Office for Urban Affairs of the Archdiocese of Boston, the East Boston Collaborative, etc.) respond to social issues in terms of programs initiated and implemented. Participants will be asked to analyze the structure, the goals, and the dynamics

of the particular institution and/or group in order to assess the effectiveness of its responses. Emphasis on the formulation of major questions and on the development of observation techniques by seminar participants themselves. Bi-weekly meetings. Same as PS 455.

REL 456 Seminar in Christian Ethics 3 (credit)

An in-depth study of a particular moral thinker or moral problem to be selected by the members of the seminar.

REL 457 Biblical Perspectives on Modern Life 3 (credit)

Emphasis on dialogue between biblical and modern views of life. Consideration of various hermeneutical methods by which modern man seeks to understand the Bible followed by an assessment of the challenge of the biblical message to modern man. Such issues as life-style, the nature of personhood, the nature of love, etc. will be considered. Offered 1973-74.

REL 481 Seminar in Religious Institutions and the Politics of Social Change: Suburban 1 (unit)

Directed field experience in which seminar participants will investigate how specific churches and synagogues respond to social issues. Participants will be asked to analyze the sociopolitical and religious profile of a particular church or synagogue and to assess the dynamics of response within that institution. Emphasis on the formulation of major questions and on the development of observation techniques by seminar participants themselves. Bi-weekly meetings. Same as PS 453.

REL 495-496 Student Assistantship in Religion
3, 3 (credit)

An opportunity for qualified students to assist the professor in designing and conducting a particular course. Approval by the professor conducting the course, by the department chairman, and by a representative of the Dean's Office is required.

REL 497, 498 Independent Study in Religion
1-3, 1-3 (credit)

The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by the department chairman and by a representative of the Dean's office. The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study

will carry academic credit. Only one Independent Study course should be carried in any one semester.

REL 499 Senior Project 3 (credit)

Required of all Religion majors.

Sociology

Sociology is the study of society. The courses offered will give the student a thorough understanding of modern social life and cultures and the use of mature judgment of social issues and problems. The students will be introduced to the methods of research, findings and fundamental theories to enable the student to investigate social relationships and to utilize their knowledge in their vocations and in their daily life.

The basic pre-major course will familiarize the students with sociological concepts, the structures and functions of various groups, collective behavior, mass communication media, the population problem and bird's-eye-view of issues which are analyzed in detail in upper-division courses.

These courses give the students a broad perspective on sociological tradition and its historical development. Some courses focus on issues of wide scope, others stress smaller relational units and processes.

The variety of courses offered makes it possible to choose a major in sociology with a psychological, a historical-political, or an economic orientation. Students have an opportunity to undertake directed individual research.

Although the curriculum does not intend to provide training for specific occupations, sociology prepares for various vocational choices which include: private and public welfare agencies, teaching, research, industrial and human relations in industry and labor organizations, urban renewal etc.

REQUIREMENTS FOR MAJORS

LE 165-166 (pre-major course), Soc 301-302, Soc 303. Eight upper-division courses with a grade of C or better; at least six courses must be taken from courses offered in the Sociology department and two courses may be chosen from courses offered in other department offerings listed below, satisfactory completion of a Senior Project.

REQUIREMENTS FOR MINORS

LE 165-166 and three upper-division courses with a grade of C or better.

LE 165 Sociology I 1 (unit)

Sociological concepts, society and culture; social groups; stratification; age and sex groups; collective behavior.

LE 166 Sociology II 1 (unit)

The population problem; communities and urbanization; inheritance; eugenics; race; mass communication media and censorship; bureaucracy; war and revolution; the family.

Soc 225 Marriage and the Family 3 (credit)

Survey of family patterns in a variety of cultural settings with emphasis on the American family system; discussion will include the Israeli kibbutz, the Near Eastern extended family, the Scandinavian family and others.

Soc 232 Introduction to Anthropology 1 (unit)

Introduction to the study of the origin of man and culture; institutions and folkways of primitive societies.

Soc 234 Human Geography 1 (unit)

The purpose of the course is to give an understanding of the reciprocal nature of man and his environment. Review of physical geography and the description of the types of environment to which man has to adapt his life. The ecological changes brought about by man. Offered 1973-74.

Soc 241 Urban Studies I: Introduction 1 (unit)

The process of urbanization in the U.S. Discussing the work of pioneers in urban studies; organization of neighborhoods along class, race and ethnic lines; outlining major social issues in the urban environment.

Soc 242 Urban Studies II: Urban Life Styles 1 (unit)

Discussion of social networks and patterns of social life in the urban setting; emphasis on urban life styles as they vary by social class and racial and ethnic groups.

Soc 301 Theory I: History of Social Thought 3 (credit)
Survey of major trends in the eighteenth and nineteenth century social thought; major focus on theorists' contribution to the origin of sociology and leading to the development of modern social theory.

Soc 302 Theory II: Contemporary Sociological Theory 3 (credit)
Discussion of major contributions in twentieth century social theory; emphasis on recent trends in modern sociological theory.

Soc 303 Introduction to Statistics 3 (credit)
Statistical methods used in sociology; collection and presentation of data; measures of central values and dispersion; statistical inference; regression and correlation.

Soc 305 Research Methods 3 (credit)
Research techniques and strategies used in sociology, such as surveys, experiments, observations, interviews, questionnaire and data analysis.

Soc 306 Field Methods 3 (credit)
The course will focus on techniques, such as participant observation. Involvement in field experience will be required.

Soc 310 Social Problems of American Society 3 (credit)
Consideration of some critical problems and issues of contemporary American life.

Soc 322 Criminology 3 (credit)
Analysis of crime as a social problem; evaluation of current theories and research findings in the treatment of offenders.

Soc 329 Ethnic Groups 3 (credit)
Analysis of selected minority groups; the structure of the racial, ethnic and religious minorities.

Soc 335 Social Movements 3 (credit)
Discussion of movements aiming at social change in past and present. The definition of the problem, the strategies and the success of the movements will be analyzed. Seminar limited to 15 students.

Soc 340 Social Work 3 (credit)
Development and organization of social services. The fundamental methods in the different fields of social work.

Soc 343 Urban Planning 3 (credit)
Social, economic, political and technical issues of modern city planning; particular attention given to political issues and problem solving in American urban centers.

Soc 344 Urban Field Work 3 (credit)
Theoretical and practical introduction to field work; workshop with emphasis on participant observation in various urban social agencies.

Soc 351 Marxism-Leninism. The USSR and Its Satellites 3 (credit)
Theories, origins and policies.

Soc 352 The People's Republic of China. Democratic Socialism 3 (credit)
Theories, origins and policies.

Soc 354 Social Change 3 (credit)
Theories of social change; materials drawn from case studies of developing countries; analysis of the process of social change in traditional societies; discussion of the implications of accelerated social change in modern technological societies.

Soc 355 Sociology of Poverty 3 (credit)
Poverty in historical and contemporary context in the USA, focusing on such issues as the definition of poverty, the changing number of the poor, the quality of their lives and the analysis of the directions of their conditions.

Soc 356 Sociology of Welfare 3 (credit)
Analysis of the philosophy, the institutions and the progress of welfare.

Soc 497, 498 Independent Study in Sociology 1-3, 1-3 (credit)
The student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by a representative of the Dean's office.

The student must successfully carry through the project as outlined. It is only if these conditions are satisfied that Independent Study will carry academic credit. Only one Independent Study course should be carried in any one semester.

Soc 499 Senior Project 0-3 (credit)

Courses offered in other departments of which two courses chosen will count as upper-division courses for sociology majors:

His 205-206 Social and Cultural History of the United States 3-3 (credit)

His 381-382 The Black Man in American History 3-3 (credit)

PS 311-312 Urban Practicum 3-3 (credit)

PS 358 Political Sociology 3 (credit)

PG 371-372 Social Psychology 3-3 (credit)

PG 378 Culture and Personality 3 (credit)

**Division of
Special Programs**

The Division of Special Programs includes the American Studies, Undergraduate Education, Liberal Studies, Studies in World Cultures and Urban Studies programs. A program coordinator who reports to the Director is appointed for each program.

The Liberal Education courses offered by the Division include:

LE 181-182 The Study of World Cultures 1 (unit)

American Studies Program

The student in American Studies must have a grade of C or better in thirteen semester courses, including AM 401 or AM 402. Within that credit hour distribution, each major is to choose at least one major field *and* one minor field of concentration. Work in the major field consists of at least twenty-four (24) credit hours and the minor field at least twelve (12) credit hours. Presently,

major fields of concentration include: American History, American Government and Politics, Sociology, Economics and American Literature. Minor fields include any of the designated major fields plus American Art, American Philosophy, Religion in America and Education.

It should be noted that when the all-college requirements and American Studies distribution requirements are fulfilled, each student still has the equivalent of over two years of academic offerings to choose as she pleases. Most majors, therefore, try to broaden their study of America by choosing offerings in as many disciplines as possible.

A major such as this allows for maximum freedom but also places much responsibility on each individual student. Therefore, each student is encouraged to seek as much counselling as she needs in order to fashion a meaningful and comprehensive educational experience. Those students who plan to enter specific career fields or contemplate continuing their education in graduate or law schools are reminded of the advisability of planning their courses with this in mind.

All majors should submit their proposed schedule of courses to their adviser and the Coordinator of American Studies prior to semester registration. Additionally, each student is encouraged, though not required, to participate in some Independent and/or Work Study programs. It is recommended, however, that not more than one semester or its equivalent be used for such purposes.

COURSE OFFERINGS

American Studies majors enroll in appropriate courses offered by the various departments at the College. A list of courses, in each department, applicable for American Studies credit may be obtained from the Program Coordinator. The course selection is most comprehensive. Theoretically speaking, should a student desire to take every course applicable for American Studies, she would need eight years to complete her studies.

In addition there are some specifically designed courses for American Studies which include:

AM 363, 364 History of American Movies 3, 3 (credit)

A survey of the film with emphasis on its cultural and sociological significance. Includes an introduction to techniques necessary for film analysis.

AM 401, 402 American Studies Seminar 3, 3 (credit)

An examination in depth of certain significant developments of the American experience with an emphasis on the modern period. Open only to seniors majoring in American Studies or American History. AM 402 is a repetition of AM 401 given during the second semester.

AM 495, 496 Work Study 1-3, 1-3 (credit)

A student who wishes to take one or two semesters of Work Study will present a typewritten detailed description of the project to be undertaken as agreed to by the professor monitoring the project and as approved by the Dean's office.

AM 497, 498 Independent Study in American Studies 1-3, 1-3 (credit)

A student who wishes to take one or two semesters of Independent Study will present a typewritten detailed description of the course requirements as agreed to by the professor giving the course and as approved by the Dean's office. Normally, not more than one Independent Study or Work Study should be carried in any one semester.

AM 499 Senior Project 0-3 (credit)

The Education Program

Though education is not a major area of concentration at Newton, the College is able to provide an education program for those who view such learning an important facet of their personal, intellectual and humanistic development as well as for those who choose the field of education as a vocation. It is within the liberal arts framework, and within the experimental and theoretical approach of the Education Program, that Newton makes available the development of skills that its graduates will be called upon to use. The "education

program" is not removed from the liberal arts context, but is an integral part of it. Thus, it is appropriate that Newton's Education Program reflect that philosophy. Based on this belief, the program shall provide experiences that will:

A) help students develop an understanding of human development and learning as it relates to them personally and to their young students.

B) help sensitize students to become teachers concerned with the effective as well as cognitive, needs of young students.

C) develop an understanding of the philosophy, history and sociology of education.

D) help students gain knowledge about general educational developments and developments and developments in their field of teaching specialization.

The program meets the certification requirements of Massachusetts and of most other states. Although the Education Program staff shall provide guidance and counselling, it is the responsibility of the student to know the teacher certification requirements of the state(s) for which she is seeking certification. While there is a program of planned sequence of study for students seeking teacher certification, all students are encouraged to participate in the Education Program.

EDUCATION

REQUIREMENTS FOR MINORS

The Education Department offers a minor in Elementary Education and Secondary Education to those students who satisfactorily complete a planned sequence of courses, climaxed by the practice teaching experience. Students minoring in Elementary Education must take the following six courses (distributed as follows): PG 245, 246 Child Development 1 (unit); ED 201 or 202 Observation and Participation: Elementary Education (4); ED 301 Principles and Issues in American Education (4); ED 305 or 306 Methods and Materials for Elementary Education (4); ED 309 or 310 Curriculum Development in Elementary Education (4); ED 401 or 402 Advanced Seminar and Practicum (8).

Students minoring in Secondary Education must take the following six courses (distributed as follows): PG 248 Psychology of Adolescence and Adulthood 1 (unit); ED 203 or 204 Observation and Participation: Secondary Education (4); ED 301 Principles and Issues in American Education (4); ED 308 or 309 Methods and Materials for Secondary Education (4); ED 311 or 312 Curriculum Development in Secondary Education (4); ED 403 or 404 Advanced Seminar and Practicum (8).

Ed 201, 202 Observation and Participation: Elementary Education 4, 4 (credit)

This course will provide experience in observing and working with young students in their educational setting several hours per week. Group meetings will provide opportunity to reflect upon and evaluate the on-site experience. Open to all students. Prerequisite to student teaching.

ED 203, 204 Observation and Participation: Secondary Education 4, 4 (credit)

This course will provide experience in observing and working with high school students in their educational setting several hours per week. Group meetings will provide opportunity to reflect upon and evaluate the on-site experience. Open to all students. Prerequisite to student teaching.

ED 205, 206 Teaching of Reading 4, 4 (credit) An examination of the methods of teaching reading.

ED 301 Principles and Issues in American Education 4 (credit)

An examination of philosophical, social, political and historical principles underlying American education and the relationship of these principles to selected current issues.

ED 302 Technology and Education 2 (credit)
Technology has developed into an integral part of education. The intent of this course is to examine selected technological developments and to consider their impact upon learning in the classroom. The focus will be on non-linear media such as the videorecorder, audio-visual materials, simulations and games.

ED 304 Alternative Educational Systems 4 (credit)
In order to assume a leadership role in American society, our educational system must begin to address itself more directly to the needs of all its students. Although this may be done through traditional learning structures, it also requires the

development of other learning structures. An example of a "school" meeting the challenge of new approaches to learning is the "School Without Walls". This course intends to introduce the student to people involved in innovative programs, to learn about several experimental programs in the Boston area and wherever possible to directly observe some of these programs.

ED 305, 306 Methods and Materials for Elementary Education 4, 4 (credit)

The focus of this course will be the planning of instructional activities as well as selection, preparation, utilization and evaluation of instructional materials. Open to students seeking teacher certification. Taken in conjunction with Advanced Seminar and Practicum. Also open to seniors who have completed practice teaching, but need this course for certification.

ED 307, 308 Methods and Materials for Secondary Education 4, 4 (credit) Miss Wright

The focus of this course will be the planning of instructional activities as well as selection, preparation, utilization and evaluation of instructional materials. Open to students seeking teacher certification. Taken in conjunction with Advanced Seminar and Practicum. Also open to senior who have completed practice teaching, but need this course for certification.

ED 309, 310 Curriculum Development in Elementary Education 4, 4 (credit)

A look at the basic philosophical, psychological and sociological considerations underlying modern curriculum development as they relate to the needs and problems of students, teachers, parents and administrators. Open to students seeking teacher certification. Taken in conjunction with Advanced Seminar and Practicum. Also open to seniors who have completed practice teaching, but need this course for certification.

ED 311, 312 Curriculum Development in Secondary Education 4, 4 (credit)

A look at the basic philosophical, psychological and sociological considerations underlying modern curriculum development as they relate to the needs and problems of students, teachers, parents and administrators. Open to students seeking teacher certification. Taken in conjunction with Advanced Seminar and Practicum. Also open to seniors who have completed practice teaching, but need this course for certification.

ED 401, 402 Advanced Seminar and Practicum—Elementary 8, 8 (credit)

Practice teaching for juniors or seniors who have demonstrated special competence in teaching. N.B. Grade based on Pass/Fail.

ED 403, 404 Advanced Seminar and Practicum 8, 8 (credit)

Practice teaching for juniors or seniors who have demonstrated special competence in teaching. N. B. Grade based on Pass/Fail.

Liberal Studies Program

The Liberal Studies Program, begun in 1970, is Newton's first large-scale model for a curriculum which will not be discipline-centered and yet will give the student a co-ordinated learning experience, equip her with basic skills for thinking in several disciplines and provide her with faculty advisers in shaping her own academic program.

The aim of the Liberal Studies Program is the aim of liberal education, the improvement of the quality of human life. This fundamental aim is essentially dependent on a person's understanding of herself and on her interplay with a complex social and physical environment. Consequently within the scope of man's varying individual abilities and interests, liberal education should serve the function of augmenting one's understanding and ability to deal with himself and his world, the world of persons and of things. Liberal education also recognizes man as a purposive being. As such, man has the capacity to evaluate and to appreciate, morally and aesthetically what he is, what he encounters and what he seeks to become.

Christian liberal education has an additional typically fundamental aim. It recognizes that human life is incomplete without the religious dimension. In so doing, Christian liberal education rests firm in the conviction

that the human form of life gives rise to the idea of man's inclination to partake in a religious form of life, whether that stems from devotion to reason or from emotions or from both.

Within the scope of these objectives, students pursuing the Liberal Studies Program are the principal self-active agents. They are encouraged to bear maximum responsibility for developing their own educations. The Program, therefore, requires no specific courses. Instead, under the guidance of the Liberal Studies Advisory Board, directed programs of study are planned individually to take account of the student's educational needs, interests and abilities.

The Program, through its Advisory Board and the concerned cooperation of the student, seeks to ensure the attainment of a *broad liberal arts educational base*. This will involve the student's directed and integrated study of the *Humanities* (including Theology), the *Social Sciences* and the *Natural Sciences* (including Logic and Mathematics).

The Program, however, recognizes that mere exposure to the three areas of human knowledge is not sufficient for a well-rounded liberal arts education. The goal of the Program is to enable the student to understand the *complementary relation* of the various disciplines which she pursues in the three major areas of human knowledge—the areas with which any educated person should be acquainted.

The broad liberal arts educational base should enable the student to concentrate her study in a particular field or a combination of fields or even on a particular problem. On the other hand, the student's interests may not come to a focus. Instead, they may become increasingly diversified. The Program is designed to cope equally well with both eventualities. And in either case, the further aim of the Program is the same: to ensure that varieties of training in diverse disciplines should

become *integrated through their application* to new problems.

The Senior Project should be the focal point of the student's work in the Program. Under the supervision of the Advisory Board, the work on the Senior Project should begin early in the junior year and continue through the senior year. The Senior Project carries at least one unit per semester for four semesters.

Planning Programs and Advisory Seminars

Any student may apply for admission to the Liberal Studies Program at any time but normally does so from the first semester of the sophomore year through the second semester of the junior year.

To be considered for the program, the student should submit to the Director of Liberal Studies an intelligently focused prospectus on a course of study. The Director, in cooperation with the Advisory Board for Liberal Studies, will review the proposed program and will decide on a recommendation.

It is the obligation of the student and the Director of Liberal Studies, in cooperation with the Advisory Board, to make certain that

- A) the student's program is appropriately balanced with respect to various disciplines
- B) a part of the student's program be at an advanced level—i.e., no less than 1/6 of the student's work during the four years at Newton
- C) no more than 1/2 of the student's work be done in one department.

A provision is made within the Program for students to cooperate in sharing the results of each other's investigations for the Senior Project. To this end every student in the Program, as well as the members of the Advisory Board, will participate in a "Liberal Studies

Seminar" which will be supervised by the Program's Director.

STUDIES IN WORLD CULTURES

LE 181-182 Studies in World Cultures II 1-1 (unit)

Students will seek to increase their awareness of and their sensitivity to those aspects of world cultures which express the meanings and challenges of contemporary human experience and they will explore the roots of contemporary concerns in the cultural expressions of the modern era. The course draws upon the expertise of many scholars. Open to freshman with permission of instructor.

Urban Studies

Urban Studies is a recent and rapidly growing phenomenon in undergraduate education in the United States. It is an effort to put urban life and problems in a central place in the college curriculum.

The purpose of the program then is: To help students obtain increased appreciation of the creative role of the city in modern life and culture, a keener perception of the nature of the metropolis as a community system, a fuller understanding of the organizational structures of urban life, a firmer grasp of the dynamics of urban change and its concomitant problems, opportunities of urban life and a greater competence in a variety of human resource skills typically required in urban living.

REQUIREMENTS FOR MAJORS

The student in Urban Studies must have a grade of C or better in ten semester courses including Soc 343 and 344, Introduction to Urban Studies I and II and Field Work in Urban Studies I and II. The remaining courses may be taken from other departments' upper-division offerings with the approval of the faculty adviser who will have a list of such related courses.

All majors should submit their proposed program to the adviser before semester registration.

Physical Education

Physical Education is open to all students. Courses are given on campus in golf, tennis, badminton, physical fitness for women and dance. Nearby resources allow for instruction in the areas of swimming, sailing and horseback riding. No specific uniform is required but students are expected to wear appropriate clothing, such as a blouse, shorts, socks and sneakers.

There are opportunities on campus for interclass and interhouse games and tournaments in such activities as basketball, volleyball and tennis. On the intercollegiate level the college has varsity and junior varsity basketball teams and the teams participate with other colleges in the Boston area. In addition, the college sailing team has achieved national recognition. Plans are underway for extending intercollegiate activities in tennis as well.

Graduate Education Program

The Graduate Program in Education, which offers a Master's Degree in Philosophy (in Education), is an innovative approach to the education of teachers, administrators and school counsellors. The fifteen-month program includes two summers of intensive work in the basic problems of education (e.g. Elementary or Secondary Curriculum and Methods, Seminar in Guidance, Seminar in Educational Administration). Eight students and fifteen faculty members meet five days a week for seven weeks each summer in seminars, workshops and independent study.

During the academic year, graduate students hold full-time positions in schools and colleges under the supervision of eight full-time and five part-time graduate faculty members. On-site support and supervision is provided on a bi-weekly basis. To supplement their internship or practicum, graduate students attend

courses in the evenings and workshops on weekends at Newton College. The courses respond to the *specific* problems which the graduate students confront in their internship (e.g., Alternative Models in Education, Curriculum and Society, Emotional Growth in the Family).

The internship and course work is evaluated on the basis of Pass/Fail. With the completion of the internship year, a final evaluation is written by the supervisor and attached to the final record of each student.

Each student earns a total of thirty-six credits for the entire program (nine for each of two summers and nine for each of two academic year semesters). The nine credits earned each summer are for academic course work. During the academic year most students earn nine credits for their internship or practicum (4½ credits each semester), three credits for a course in the Theory and Practice of Open Education (1½ credits each semester), and six credits for academic course work (3 credits each semester).

If further information is needed, please address requests to the Graduate Education Program Office, Newton College of the Sacred Heart, 885 Centre Street, Newton, Massachusetts 02159.

Institute for Open Education

The Institute provides graduate level courses in education for teachers, counsellors and administrators. Special attention is given to Alternative Models of Education. For further information, contact Graduate Education Offices.

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Physical Science Group

The purpose of the Division of Sponsored Research is to carry out research and development work in education. The first projects to be worked on are those of the Physical Science Group, formerly at the Education Development Center. These include an undergraduate program for the preparation of Physics-Chemistry teachers and several Physical Science programs on the secondary level. The Physical Science Group is housed on the first floor of the Barry Science Pavilion.

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The city of Newton, Massachusetts is located seven miles west of downtown Boston, forty-six miles south of New Hampshire, forty miles north of Providence, and two hundred and ten miles northeast of New York City.

Principal routes serving the city are the Massachusetts Turnpike (whose extension connects Route 128 with the Northeast and Southeast Expressways), Route 128, Route 9, Interstate 40 and Interstate 95.

The city is served by the Massachusetts Bay Transportation Authority (MBTA subway), the Middlesex and Boston Street Railway (bus), the main line of the Boston and Albany Railroad and by over two dozen major airlines and railways. Boston's Logan Airport and port facilities are within ten miles of the College.

VISITORS

Newton College welcomes visitors to the campus. The administrative offices are open Monday through Friday, 8:30 a.m. to 4:30 p.m. and by appointment on Saturdays during term time. The Admissions Office is open Monday through Friday from 8:30 a.m. to 4:30 p.m. and from 10:00 a.m. to 4:00 p.m. on Saturday. By prior arrangement, special appointments may be made on Sunday and holidays. Special arrangements for greeting prospective students can be made during holiday and vacation periods. Secondary school students and their parents who wish an interview with a member of the Admissions Office are encouraged to arrange a mutually convenient appointment well in advance of their trip to the campus.



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FIRST SEMESTER

Wednesday, September 6	Juniors Arrive
Thursday, September 7 through	
Sunday, September 10	Freshmen Orientation
Friday, September 8	College Registration (<i>Freshmen and Juniors</i>)
Sunday, September 10	College Registration (<i>Seniors, Sophomores and Day Students</i>)
Monday, September 11	Classes Begin
Monday, September 18	Academic Registration (<i>Juniors and Seniors</i>)
Tuesday, September 19	Academic Registration (<i>Freshmen and Sophomores</i>)
Monday, October 9	Columbus Day (<i>No Classes</i>)
Monday, October 23	Veterans' Day (<i>No Classes</i>)
Wednesday, November 22 (12:00 p.m.) through	
Sunday, November 26	Thanksgiving Vacation
Monday, December 18 through	
Friday, December 22	Examination and Evaluation Period
Friday, December 22 (5:00 p.m.)	Semester Ends
Friday, December 22 through	
Sunday, January 21	Semester Recess

SECOND SEMESTER

Monday, January 22	Classes Begin
Monday, January 29	Academic Registration (<i>Juniors and Seniors</i>)
Tuesday, January 30	Academic Registration (<i>Freshmen and Sophomores</i>)
Monday, February 19	Washington's Birthday (<i>No Classes</i>)
Monday, March 19	(<i>No Classes</i>)
Friday, April 13 (5:00 p.m.) through	
Monday, April 23	Spring Recess
Thursday, May 17 through	
Wednesday, May 23	Examination and Evaluation Period
Wednesday, May 23 (5:00 p.m.)	Semester Ends
Sunday, May 27	Commencement

Newton College

Newton, Massachusetts 02159

